UNIVERSITY OF AGRICULTURAL SCIENCES, RAICHUR
ICAR-KRISHI VIGYAN KENDRA RAICHUR, KARNATAKA

ANNUAL REPORT- 2025

(FOR THE PERIOD FROM 01 January, 2025 TO 31 December, 2025)

KVK Address with QR Code, web site, E-mail, Tel and Host Organization details

KVK Address

Senior Scientist and Head
ICAR-KRISHI VIGYAN KENDRA
University of Agricultural Sciences Campus,
R A I C H U R – 584 104 (Karnataka)
Phone/ Fax : 08532-220196 (O
pckvkraichur@uasraichur.edu.in **&**

Host Organization

GENERAL INSTRUCTIONS

Please read the following instructions very carefully before starting preparation of the report.

- **Annual report is the most important document for the KVK and it directly reflects the overall achievements pertaining to the reported period. Hence due care needs to be given by each KVK while preparing the report.**

- **Period of Report is from 01 January, 2025 to 31 December, 2025.**

- **Action photographs with relevant captions covering all OFTs/FLDs/Capacity Development/Extension activities of the KVK in High resolution should be submitted separately along with this report. A part from this, soft copy of the activity wise photos may be submitted in JPEG format.**

- **Prepare Summary tables carefully tallying with the relevant portions of the main report on all aspects.**

- **Retain the blank column and rows as such and do not merge the cells. Please specify NIL, wherever not applicable or details are not available.**

- **Check the names of varieties and hybrids and specify in the report.**

- **Check the units and totals of each data table.**

- **Extension activity under celebrations for each important day, please insert separate rows and give appropriate data separately. Clubbing of data should be avoided.**

- **Success stories/case studies should be supported with data tables and graphs. Without photos success stories will not be considered for inclusion in Annual Report of ATARI.**

PART I – GENERAL INFORMATION ABOUT THE KVK

1.1. Name and address of KVK with phone, fax and e-mail

KVK Address	Telephone		E mail	Web Address
	Office	Fax		
ICAR- KrishiVigyan Kendra P.B. No.329, UAS Raichur Campus, Lingasugur road Raichur – 584 102	08532-220196	08532-220196	pckvkraichur@uasraichur.edu.in	KVK Raichur - Krishi Vigyan Kendra

1.2. Name and address of host organization with phone, fax and e-mail

Address	Telephone		E mail	Web Address
	Office	Fax		
University of Agricultural Sciences, P.B. No.329, UAS Raichur Campus, Lingasugur road Raichur – 584 102	08532-221444	08532-220444	**vc@uasraichur.edu.in**	University of Agricultural Sciences Raichur - Index

1.3. Name of the Senior Scientist and Head with phone & mobile No.

Name	Telephone / Contact		
	Residence	Mobile	Email
Dr. Timmanna Senior Scientist and Head ICAR- KrishiVigyan Kendra P.B. No.329, UAS Raichur Campus, Lingasugur road Raichur – 584 102	-	9480696314	thimsento@gmail.com

1.4. Year of sanction: 22 December 1993

1.5. Staff position as on 31 December 2025

Sl. No.	Sanctioned post	Name of the incumbent	Designation	M/ F	Discipline	Highest Qualification (for PC, SMS and Prog. Asstt.)	Basic pay	Pay Scale	Date of joining KVK	Permanent /Temporary	Category (SC/ST/ OBC/Others)
1	Head/Senior Scientist	Dr. Timmanna	Head/Senior Scientist	M	Entomology	M.Sc. (Ent.) Ph.D.	131400-217100	139400	22.05.2025	Permanent	ST
2	Scientist/SMS	Dr. Shreevani G.N.	Scientist	F	Entomology	M.Sc. (Ent.) Ph.D.	68900-205500	87300	02.08.2018	Permanent	ST
3	Scientist/SMS	Er. Veena, T	Scientist	F	Processing & Engineering	M. tech.(Processing & Engineering)	68900-205500	75200	05.01.2021	Permanent	ST
4	Scientist/SMS	Dr. Mallareddy	Scientist	M	Agronomy	M.Sc. (Agron.) Ph. D	68900-205500	68800	26.04.2025	Permanent	GM
5	Scientist/SMS	Vacant	Vacant		Soil Science	Vacant	Vacant	Vacant	Vacant	Vacant	Vacant
6	Scientist/SMS	Vacant	Vacant		Horticulture	Vacant	Vacant	Vacant	Vacant	Vacant	Vacant
7	Scientist/SMS	Vacant	Vacant		Animal Science	Vacant	Vacant	Vacant	Vacant	Vacant	Vacant
8	Programme Assistant (Lab. Tech.)	Mr. Dhanraj V.S.	Technical Officer		Agriculture	B. Sc (Agriculture)	53000-94800	64100	12.06.2025	Permanent	SC
9	Programme Assistant (Computer)	Mr. Devaraj Nayak	Technical Officer	M	Computer Sciences	MCA	53000-94800	62200	25.03.2017	Permanent	ST
10	Programme Assistant/ Farm Manager	Vacant	Vacant		Vacant	Vacant	Vacant	Vacant	Vacant	Vacant	Vacant
11	Assistant	Mr. Shivayogi	Senior Assistant	M	--	MA	49050-92500	69250	01.08.2023	Permanent	SC
12	Jr. Stenographer	Smt. Sumangalamma.M	Assistant	F	--	BA	49050-92500	59800	04.12.2017	Permanent	2A
13	Driver - 1	Sri. Chanappa Askihal	Driver (H.V)	M	--	7th	49050-92500	67600	01.04.2017	Permanent	2A
14	Driver - 2	Vacant	Driver (H.V)		--	Vacant	-	-	Vacant	Vacant	Vacant
15	SS-1	Smt. Sridevi Talawar	Lab Assistant	F	--	BA	49050-92500	52800	30.10.2022	Permanent	ST
16	SS-2	Sri. Anjaneya	Cook-cum care taker	M	--	SSLC	34100-67600	40300	09.01.2012	Permanent	Cat-1

1.6. Total land with KVK (in ha):7.12

S. No.	Item	Area (ha)
1	Under Buildings	0.12
2.	Under Demonstration Units	1.00
3.	Under Crops	6.00
4.	Orchard/Agro-forestry	-
5.	Others	-

1.7. Infrastructural Development:

A) Buildings

S. No.	Name of building	Source of funding	Stage					
			Complete			Incomplete		
			Completion Date	Plinth area (Sq.m)	Expenditure (Rs.)	Starting Date	Plinth area (Sq.m)	Status of construction
1.	Administrative Building	ICAR	1998	660	34.00	1998	660	Completed
2.	Farmers Hostel	ICAR	2011	300	45.00	2011	300	Completed
3.	Staff Quarters	ICAR	2005	6 x 67	25.27	2005	6 x 67	Completed
4.	Demonstration Units							
	1 NADEP Compost pit	ICAR						
	2 Azolla Unit	ICAR						
	3 Vermicompost pit	ICAR						
	4 Micro Irrigation	ICAR	2018-19					
	5 Nutri-garden	ICAR	2025-26	30	25,000	2025-26	---	--
	6.Terrace garden	ICAR	2025-26	15	30,000	2025-26	--	--
5	Fencing							
6	Rain Water harvesting system							
7	Threshing floor							
8	Store shed for equipments	ICAR	2024-25	10	400000	2024	--	--
9	Administrative Building	ICAR	1998	660	34.00	1998	660	Completed
10	Farmers Hostel	ICAR	2011	300	45.00	2011	300	Completed

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
Bolero SLX No. KA 36 P 9320	15.06.2023	9.00	40518	Good
Tractor (TAFE)	1999	3.37	-	unserviceable
Motor bike(Bajaj CT-100)	2005	0.40	-	Bad
Motor bike (Hero Honda Passion Plus) No. KA 25 EC 7539	2009	0.50	10882	Good
Motor bike (Hero Honda Splendor Plus) No. AP 23 Ak 8735	2014	Purchased by ICRISAT	51415	Good

C C) Lab equipment & AV aids

Name of the equipment	Year of purchase	Quantity (No.)	Cost (Rs.)	Present status
Computer	2000	1	95,000	Good
TV	2002	1	20,000	Good
Fax Machine	2004	1	12,685	Bad
PA System	2004	1	31,025	Good
Computer	2006	1	39,216	Good
Digital Camera	2004	1	19,980	Good
Laptop	2006	1	45,000	Good
LCD projector	2006	1	57,188	Good
Fax machine (SCx-452)	2009	1	15000	Bad
Laser printer-Lexmark	2009	1	15000	Bad
LCD Motorized	2009	1	24000	Good
Photo copier(Toshiba)	2009	1	61000	Bad
Hi-tech LCD projector	2009	1	41000	Good
Computer chair and table	2009	1	6000	Good
Sony Handy Cam	2009	1	184000	Good
Power sprayer	2010	1	16000	Bad
Power Tiller	2011	1	1,52,500	Good
Generator	2011	1	1,88,999	Bad
Kyocera Mita Taskalfa-180	2012	1	87,290	Good
S Type pecok chair	2012	1	45,000	Good
Multimedia projector	2012	1	45000	Good
6 ½’ Almera 18 gage	2012	1	23,700	Good
SONY Tablet (wifi43G)	2012	1	33988	Good
Desk top computer	2012	1	33,570	Good
UPS	2012	1	5,240	Good
Double Distillation Unit	2012	1	112290	Bad
Wide Mini-Sub Cell Gt Cell-Horizontal Biorad	2012	1	87790	Good
Power Sprayer	2012	1	16800	Bad
Spare First And Second Heater For Aqdd 40p-Db Xl-Rsh (Two Nos)	2012	1	19412	Good
Glass Door Almara 6 ½ 3nos	2012	1	31977	Good
Refrigerated Centrifuge With Accessaries	2012	1	430236	Good
Level Master A Laser Guided Land Leveler	2012	1	425000	Good
GPS System Hand Held	2012	1	75000	Good
Binocular Microscope (Ten Nos)	2012	1	152468	Good
Pestle &Morter (Two Nos)	2012	1	3198	Good
Cycle altas	2012	1	3,790	Good
Anand spiral Separator	2012	1	12,000	Good
Susmang AC 2.0 ton capacity	2012	1	31,965	Good
Water Cooler 150 Capicity	2012	1	49,850	Good
Water Storage tank	2012	1	7,499.96	Good
24 ports D-link	2012	1	3,050	Good
D-card wireless Accessories	2012	1	7,500	Good
Patch Cards	2012	1	3,000	Good
D-link Lan Cable	2012	1	975	Good
25 LPH Ro water purifier	2013	1	24,000	Good
Packing Machine Serana Brand F series	2013	1	16,490	Good
SurabeeEssardestoner-cum Grader 298Kg	2013	1	76,000	Good
ESSC Electronic Weighting Scale 31 KG	2013	1	7,300	Good
BhavaniDerviller paper capacity	2013	1	56,500	Good
Anand spiral Separator	2013	1	12,000	Good
Stove	2014	1	4595	Good
Kirloskar Diesel Pump set	2014	1	39,000	Good
Plastic E.V. stabilizer	2015	1	54,000	Good
Surabessar Machine and cam model SESP 8-	2015	1	Supplied of	Good

Name of the equipment	Year of purchase	Quantity (No.)	Cost (Rs.)	Present status
02			INSIMP	
Wt-140Kg	2015	1	Supplied of INSIMP	Good
Three phase-motor	2015	1	Supplied of INSIMP	Good
Double pulley	2015	1	Supplied of INSIMP	Good
12 inch belt-2 B.type 82No.	2015	1	Supplied of INSIMP	Good
Pusa digital STFR meter Kit	2015	1	52,000	Good
Samsung Make LED tv	2016	1	48,500	Good
Projector	2017	1		Good
Laptop	2017	1		Good
Printer HP1020 plus	2017	1		Good
Color Printer	2017	1		Good
AES Lab equipment SWTL	2017	1		Good
Desktop	2017	1		Good
Printer HP	2017	1		Good
Samsung AC 2.0 ton capacity (two)	2018	1		Good
LG TV 24 (Four)	2018	1		Good
Home appliance for Farmer Hostel	2018	1		Good
Xerox machine	2019	1		Good
Alkosign board		1		Good
Hot plate (make Scientist)		1		Good
Hot Air Oven Digital (Make Scientist)		1		Good
LP Gas Cylinder (Regulator two)		1		Good
Steel Cabinet (18 x 35 x 18)		1		Good
LPG Stove		1		Good
Fax machine		1		Good
Laboratory Table (88x30x36)		1		Good
Grinder (Size 100x50mm)		1		Good
Laboratory Table (72x30x36)		1		Good
Toshiba-E-161 Xerox machine		1		Good
Laboratory Table (58x30x36)		1		Good
Laboratory Table (58x36x36)		1		Good
FGCL 0378 Flame photometer		1		Good
FGL-1612 pH Analyser with CL 51B		1		Good
FGSL-0177 Scanning visible specto photometer		1		Good
FGCM-183 EC TDS analyser with CC-03B & ATC pribe		1		Good
Brass samaya		1		Good
Laboratory racks (30x 15x9)		1		Good
Slated angle racks (6x3x15x5)		1		Good
Wash Basin (Orient)		1		Good
Duplicating machine (Xerox machine)		1		Good
Exhaust Fan		1		Good
Laboratory stools		1		Good
Software SS inter facing specto meter model SL-l 77		1		Good
Demonstration board		1		Good

D) Farm equipment and implements

Name of the equipment/implement	Year of purchase	Quantity (No.)	Cost (Rs.)	Present status
Nipping machine	2019	1		Good
Bio matric time attendance	2025	1		Good
Segate enternal HDD 1GB hard disk	2019	1		Good
Kodak124cm full HD TV	2019	1		Good
Digital platform weighing balance machine	2019	1		Good
Palagu 4 feet	2019	1		Good
Palgu 19"	2019	1		Good
Palgu 24"	2019	1		Good
Janta Palgu	2019	1		Good
Kurpi	2019	05		Good
Cycle weeder	2025	02		Good
Drum type pneumatic planter (4 Row)		1		Good
Cycle Seeder		1		Good
HTP Sprayer		1		Good
HydrolicReversable Plough		1		Good
5 Tyne Duckfoot		1		Good
Spinel 160 Mulcher		1		Good
HP laser jet pro 1020 plus printer		1		Good
HP 348win 10 pro core 15 laptop		1		Good
Office almara 4½ with locker		1		Good
Epson Eb-Wo5 ICD multimedia projector		1		Good
SU-KOM inverter		1		Good
CHARGE LIST OF DBT-KISAN BIO TECH HUB PE		1		Good
Exide battery		4		Good

1.8. Details of 24th SAC meeting organized

Number of Participants	Salient Recommendations	
60	ಕೆ.ವಿ.ಕೆ.ಯ ಕಾರ್ಯಕ್ರಮಗಳನ್ನು ಇತರೆ ಇಲಾಖೆಯ ಸಹಭಾಗಿತ್ವದಲ್ಲಿ ಮಾಡಬೇಕು	ಕೃಷಿ ಇಲಾಖೆ, ಪಶು ಇಲಾಖೆ, ಮೀನುಗಾರಿಕೆ ಇಲಾಖೆ, ತೋಟಗಾರಿಕೆ ಇಲಾಖೆ, ಜಿಲ್ಲಾ ಪಂಚಾಯತ್, ನಬಾರ್ಡ, ಸಂಸ್ಥೆಗಳು ಕಾಸಗಿ ಕಾಲೇಜುಗಳು, ಶಾಲೆಗಳು, NSC,IFFCO,RCF, Coramandol Industrial company, Madras ltd, Kribco, Dhamanka agricultural limited, WEDS Koppal,KREDL, CELCO, PNB,FPO'S,SHG'S,SVYM NGO, ICRISAT
	ಮೂಂಚೂಣಿ ಪ್ರಾತ್ಯಕ್ಷಿಕೆಯೊಂದಿಗೆ ಮಾಡಿದ ಕೆಲಸಕ್ಕೆ ಟೇಬಲ್ ಸ್ವರೂಪವನ್ನು ನೀಡಬೇಕು (ದಿನಾಂಕವಾರು ಚಟುವಟಿಕೆಗಳು) (ಕ್ರಮ: ಎಲ್ಲಾ ವಿಜ್ಞಾನಿಗಳು)	ಮೂಂಚೂಣಿ ಪ್ರಾತ್ಯಕ್ಷಿಕೆಗಳನ್ನು ಟೇಬಲ್ ಸ್ವರೂಪದಲ್ಲಿ ಹಾಕಲಾಗಿದೆ.
	ಯಾವುದೇ ಮೂಂಚೂಣಿ ಪ್ರಾತ್ಯಕ್ಷಿಕೆಯನ್ನು ತೆಗೆದುಕೊಳ್ಳುವ ಮೊದಲು ವಿಶ್ವವಿದ್ಯಾಲಯದ ಮುಖ್ಯಸ್ಥರಅನುಮತಿಯನ್ನು ಪಡೆಯಬೇಕೆಂದುಅವರಿಗೆ ಸೂಚಿಸಲಾಯಿತು. (ಕ್ರಮ: ಎಲ್ಲಾ ವಿಜ್ಞಾನಿಗಳು)	ವಿಶ್ವವಿದ್ಯಾಲಯದ ಮುಖ್ಯಸ್ಥರ ಅನುಮತಿಯನ್ನು ಪಡೆಯಲಾಗಿದೆ.
	ಯಾವುದೇ ಮೂಂಚೂಣಿ ಪ್ರಾತ್ಯಕ್ಷಿಕೆಯನ್ನುರೈತರ ಹೊಲದಲ್ಲಿ ನಡೆಸುವ ಕಾರ್ಯಕ್ರಮಗಳಲ್ಲಿ, ರೈತರ ಸಹಿಯನ್ನು ತೆಗೆದುಕೊಳ್ಳಬೇಕು (ಕ್ರಮ: ಎಲ್ಲಾ ವಿಜ್ಞಾನಿಗಳು)	ರೈತರನ್ನು ಭೇಟಿಮಾಡಿ ಅವರಿಗೆ ಹೊಸ ತಂತ್ರಜ್ಞಾದ ಪ್ರಾತ್ಯಕ್ಷಿಕೆಯ ಬಗ್ಗೆ ಮನವರಿಕೆ ಮಾಡಿ, ಒಳ ಆವರಣ ತರಬೇತಿ ಮಡಿ ಪ್ರಾತ್ಯಕ್ಷಿಕೆಯ ಬಗ್ಗೆ ಬಿತ್ತಿನಿಂದ ಕೊಯ್ಲಿನವರೆಗೆ ತಾಂತ್ರಿಕ ಮಾಹಿತಿ ನೀಡಲಾಗುವುದು.

		ಮಣ್ಣು ಮತ್ತು ನೀರಿನ ಪರೀಕ್ಷೆಯನ್ನುಕಡ್ಡಾಯವಾಗಿ ನಡೆಸಬೇಕು. (ಕ್ರಮ: ಪ್ರಯೋಗಾಲದ ಸಹಾಯಕರು)	ಮಣ್ಣು ಮತ್ತು ನೀರಿನ ಪರೀಕ್ಷೆಯನ್ನು ಕೆ.ವಿ.ಕೆ.ಯ ಮಣ್ಣು ಮತು ನೀರು ಪ್ರಯೋಗಾಲಯದಲ್ಲಿ ಮಾಡುತ್ತಿದ್ದೇವೆ. ಮುಂದುವರೆದು NABL Accreditation ಸಲುವಾಗಿ ಅರ್ಜಿಯನ್ನು ಸಲ್ಲಿಸಲು ತಯಾರಿ ಮಾಡಲಾಗುತ್ತಿದೆ.
		ಮೂಂಚೂಣಿ ಪ್ರಾತ್ಯಕ್ಷಿಕೆ/ ಕ್ಷೇತ್ರ ಪರಿಶೀಲನೆಗಳ ಶೀರ್ಷಿಕೆ ಮತ್ತು ಮಾಹಿತಿ ಫಲಕಗಳನ್ನು ಪ್ರಾತ್ಯಕ್ಷಿಕೆತೆಗೆದುಕೊಂಡಂತಹರೈತರ ಹೊಲದಲ್ಲಿಇಡಬೇಕು. (ಕ್ರಮ: ಎಲ್ಲಾ ವಿಜ್ಞಾನಿಗಳು)	ಮೂಂಚೂಣಿ ಪ್ರಾತ್ಯಕ್ಷಿಕೆ/ ಕ್ಷೇತ್ರಗಳ ಶೇರ್ಷಿಕೆ ಮತ್ತು ಮಾಹಿತಿ ಫಲಕಗಳನ್ನು ರೈತರ ಹೊಲದಲ್ಲಿ ಇಡಲಾಗಿದೆ.
		ಕ್ಷೇತ್ರೋತ್ಸವವನ್ನು ಕೈಗೊಳ್ಳುವಾಗ ಇತರೆ ಇಲಾಖೆಗಳು ಭಾಗಿಯಾಗಬೇಕು (ಕ್ರಮ: ಕೆ.ವಿ.ಕೆ ಹಾಗೂ ಇಲಾಖೆಗಳು)	ಕೆ.ವಿ.ಕೆ.ಯ ಪ್ರತಿಯೊಂದು ಕ್ಷೇತ್ರೋತ್ಸವ ಕಾರ್ಯಕ್ರಮದಲ್ಲಿ ಕೃಷಿಗೆ ಸಂಬಂಧಿಸಿದ ಎಲ್ಲಾ ಇಲಾಖೆ ಅಧಿಕಾರಿಗಳು ಭಾಗವಹಿಸುತ್ತಿದ್ದಾರೆ.
		ಮೂಂಚೂಣಿ ಪ್ರಾತ್ಯಕ್ಷಿಕೆ/ ಕ್ಷೇತ್ರ ಪರಿಶೀಲನೆಗಳ ನಡೆಸುವ ಹೋಬಳಿ ಮತ್ತು ಗ್ರಾಮಗಳ ಜಿಲ್ಲಾ ವಿವರಗಳನ್ನು ನೀಡಬೇಕು (ಕ್ರಮ: ಕಾರ್ಯಕ್ರಮ ಸಹಾಯಕರು(ಕಂಪ್ಯೂಟರ್))	ನೀಡಲಾಗಿದೆ.
		ವಿಭಾಗದ ಹೆಸರು ಮತ್ತುತರಬೇತಿ ದಿನಾಂಕವನ್ನು ಪ್ರಾಯೋಜಿತ ತರಬೇತಿಗಳ ಸ್ಲೈಡ್‌ಗಳಲ್ಲಿ ನಮೂದಿಸಬೇಕು. (ಕ್ರಮ: ಕಾರ್ಯಕ್ರಮ ಸಹಾಯಕರು (ಕಂಪ್ಯೂಟರ್))	ನಮೂದಿಸಲಾಗಿದೆ.
		ಟಿ.ಎಸ್.ಪಿ ಅಡಿಯಲ್ಲಿ ಯೋಜನಾ ಪ್ರಸ್ತಾವನೆಯನ್ನು ಸಿದ್ಧಪಡಿಸಿ ಓಂಃಂಖಆ ಗೆ ಸಲ್ಲಿಸಬೇಕು (ಕ್ರಮ: ಎಲ್ಲಾ ವಿಜ್ಞಾನಿಗಳು)	ಎಣ್ಣೆಗಾಣ ಮತ್ತು ಹೈಡ್ರಾಪೊನಿಕ್ಸ್‌ಗಳ ಬಗ್ಗೆ ಯೋಜನಾ ಪ್ರಸ್ತಾವನೆಗಳನ್ನು ತಯಾರಿಸಿ ಅರ್ಜಿಯನ್ನು ಸಲ್ಲಿಸಲಾಗಿದೆ.
		ಕೌಶಲ್ಯಅಭಿವೃದ್ಧಿಕಾರ್ಯಕ್ರಮದಅಡಿಯಲ್ಲಿ ಡ್ರೋನ್ ಮತ್ತು ಸೌರಶಕ್ತಿ ಬಳಕೆಯ ತರಬೇತಿಯ ಆಯೋಜಿಸುವ ಬಗ್ಗೆ NABARDಗೆ ಧನದ ಸಹಾಯಒದಗಿಸುವ ಪ್ರಸ್ತಾವನೆ ನೀಡಬೇಕು (ಕ್ರಮ: ಎಲ್ಲಾ ವಿಜ್ಞಾನಿಗಳು)	ಡ್ರೋನ್ ಮತ್ತು ಸೌರಶಕ್ತಿ ಬಳಕೆಯ ತರಬೇತಿಗಳನ್ನು ಆಯೋಜಿಸಲಾಗಿದೆ.
		ರೈತ ಉತ್ಪಾದಕ ಸಂಘಗಳ ಸಂಬಂಧಿತ ಚಟುವಟಿಕೆಗಳನ್ನು ಕೈಗೊಳ್ಳಬೇಕು (ಕ್ರಮ: ಎಲ್ಲಾ ವಿಜ್ಞಾನಿಗಳು)	ಶ್ರೀ ಬೆಟ್ಟದ ಬಸವೇಶ್ವರ ರೈತ ಉತ್ಪಾಧಕ ಸಂಘ ಜಕ್ಕಲದಿನ್ನಿ ಸ್ವಾಸ್ಥ್ಯ ರೈತ ಉತ್ಪಾಧಕ ಸಂಘ ಜವಳಗೇರಾ, ಬೃಂದಾವನ SHG ಎಲೆಬಿಚ್ಚಾಲಿ, ಸಜ್ಜಲ ಶ್ರೀ ರೈತ ಉತ್ಪಾಧಕ ಸಂಘ, F.P.O ಗಳ ಸಂಬಂಧಿತ ಚಟುವಟಿಕೆಗಳನ್ನು ಕೈಗೊಳ್ಳಲಾಗಿದೆ. ನಬಾರ್ಡ್ ಪ್ರಾಯೋಜಿತ ಕಲ್ಯಾಣ ಕರ್ನಾಟಕ ಕೃಷಿ ಸಂಸ್ಕರಣಾ ಘಟಕಗಳ, ರೈತ ಮತ್ತು ರೈತ ಉತ್ಪಾಧಕ ಸಂಘಗಳ ನಿರ್ದೇಶಕರುಗಳಿಗೆ ತರಬೇತಿ ಕಾರ್ಯಕ್ರಮಗಳನ್ನು ಕೈಗೊಳ್ಳಲಾಗಿದೆ.
		ಇತರೆ ಇಲಾಖೆಗಳ ಸಹಯೋಗದೊಂದಿಗೆರೇಷ್ಮೆ ಕೃಷಿ ಸಂಬಂಧಿತತರಬೇತಿ ಕೈಗೊಳ್ಳಬೇಕು. (ಕ್ರಮ: ಎಲ್ಲಾ ವಿಜ್ಞಾನಿ (ಕೀಟಶಾಸ್ತ್ರ))	ಕೈಗೊಳ್ಳಲಾಗಿದೆ.
		ಕೀಟನಾಶಕಗಳ ಸುರಕ್ಷಿತ ಬಳಕೆಯ ಕುರಿತು ಜಾಗೃತಿ ಮತ್ತು ತರಬೇತಿ ಕಾರ್ಯಕ್ರಮ ಕೈಗೊಳ್ಳಬೇಕು. (ಕ್ರಮ: ಎಲ್ಲಾ ವಿಜ್ಞಾನಿಗಳು)	ಕೀಟನಾಶಕಗಳ ಸುರಕ್ಷಿತ ಬಳಕೆಯ ಬಗ್ಗೆ ತರಬೇತಿ ಕಾರ್ಯಕ್ರಮಗಳನ್ನು ಕೈಗೊಳ್ಳಲಾಗಿದೆ.
		ಸಂಕ್ಷಿಪ್ತ ಅಧ್ಯಯನಗಳನ್ನು ನಡೆಸಬೇಕು (ಸಂಶೋಧಿಸಬಹುದಾದ ವಿಷಯವನ್ನು ಸಂಶೋಧನಾ ನಿರ್ದೇಶಕರಿಗೆ ತಿಳಿಸಬೇಕು)	ಸಂಶೋಧನಾ ನಿರ್ದೇಶಕರಿಗೆ ತಿಳಿಸಲಾಗಿದೆ
		ವಿಸ್ತರಣಾ ನಿರ್ದೇಶನಾಲಯಕ್ಕೆ ಸಲ್ಲಿಸಬೇಕಾದ ಮೀನುಗಾರಿಕೆಯಕುರಿತು ಪ್ರಸ್ತಾವನೆ ನೀಡಬೇಕು. (ಮೀನುಗಾರಿಕೆಇಲಾಖೆಯಿಂದ ಸಹಾಯಧನ ನೀಡಲಾಗುವುದು). (ಕ್ರಮ: ಎಲ್ಲಾ ವಿಜ್ಞಾನಿಗಳು)	ಮೀನುಗಾರಿಕೆಯ ಕುರಿತು ಯೋಜನಾ ಪ್ರಸ್ತಾವನೆಯನ್ನು ಸಲ್ಲಿಸಲಾಗಿದ್ದು, ಸಹಾಯಧನ ದೊರಕಿದೆ.
		ನಿಪ್ಪಿಂಗ್‌ಯಂತ್ರ/ ಸಣ್ಣ ಉಪಕರಣಗಳ ನೇಮಕಾತಿಗಾಗಿಕಸ್ಟಮ್ ಹೈರಿಂಗ್‌ಇರಬೇಕು. (ಕ್ರಮ: ಹಿರಿಯ ವಿಜ್ಞಾನಿ ಮತ್ತು ಮುಖ್ಯಸ್ಥರು/ಇಲಾಖೆ)	ನಿಪ್ಪಿಂಗ್ ಯಂತ್ರ, ಕಾಟನ್ ಶ್ರೇಡ್ಡರ್, ಮಲ್ಚರ್, ವೀಡರ್, ಸ್ರೇಯರ್ಗಳನ್ನು ಕೆ.ವಿ.ಕೆ ಕಸ್ಟಮ್ ಹೈರಿಂಗ್ ಕೇಂದ್ರದಲ್ಲಿ ಇಡಲಾಗಿದೆ.

PART II - DETAILS OF DISTRICT

2.1 Major farming systems/enterprises (based on the analysis made by the KVK)

S. No	Farming system/enterprise
Rainfed area – Cropping in both Kharif and rabi seasons / double cropping	Greengram, Blackgram, Sesamum, Bajra, Sunflower, Sorghum Bengalgram, Safflower, Wheat
Rainfed area – Redgram, cotton cropping	Redgram, Redgram + Bajra, Redgram + Groundnut, Redgram + Greengram, Redgram + Sesamum, Redgram + Sorghum
Rainfed area – Rabi jowar and chickpea cropping	Rabi Jowar, chickpea
Rainfed area – Cropping in kharif season	Bajra, Sorghum, Groundnut, Sunflower, Sesamum, Setaria Horse gram, Niger
Canal irrigated area – Cropping in all season	Bajra, Sorghum, Paddy, Sunflower, Groundnut, Wheat, Bengalgram, Cotton Chilli, Mustard
Well irrigated area – Cropping of horticultural and commercial crops	Fruits, Vegetables, Plantations, Flowers, Sugarcane, Cotton, Sericulture
Tank irrigated area – Paddy cropping	Paddy

2.2 Description of Agro-climatic Zone & major agro ecological situations (based on soil and topography)

S. No	Agro-climatic Zone	Characteristics
1	North-Eastern Dry zone	The North Eastern Dry Zone, spread over 17,626 sq.km., accounts for 9.26 per cent of the total geographical area (1,91,791 sq.km.) of Karnataka State. It is situated between 15° 57' and 17° 36' north latitude and 76° 6' and 77°33' east longitude. This zone comprises 8 taluks (Afzalpur, Chittapur, Gulbarga, Jewargi, Sedam, Shahapur, Shorapur and Yadgir) of Gulbarga district and 3 taluks (Deodurga, Manvi, Raichur) of Raichur district. The zone is primarily agrarian in character with about 75.33 per cent of its geographical area under cultivation.

S. No	Agro ecological situation	Characteristics
1	Rainfed area – cropping in both kharif and - rabi seasons / double cropping	This situation extends 6000 ha in Deodurga, 1500 ha in Manvi, 1150 ha in Raichur talluks of Raichur district. In this situation the medium deep black and red clay loamy soils are predominant.
2	Rainfed area – Redgram cropping	This farming situation covers 7730 ha in Deodurg, 6290 ha in Manvi and 8150 in Raichur taluks. Soils in this situation mainly represented by medium to deep black soils and clay loam of red soils.
3	Rainfed area – rabijowar and cotton cropping	In this farming situation 37616 ha in Deodurga, 45792 ha in Manvi and 34108 ha in Raichur. This situation involves predominantly deep black soils.
4	Rainfed – cropping in kharif season	This situation extends 44040 ha in Deodurga, 18732 ha in Manvi and 22242 ha in Raichur talluks. This situation predominantly comprises of shallow black soils and red sandy loams.
5	Canal irrigated area – cropping in all season	In this situation irrigation water is available from canals of TBP and UKP areas in the talluks of Manvi (40000 ha), Deodurga (2319 ha) and Raichur (19500 ha). In this situation both red sandy loam and deep black soils predominant.
6	Well irrigated area – cropping of horticultural and commercial crops	In this situation area extend Deodurga (1200 ha), Manvi (2668 ha) and Raichur (2250 ha). In this situation soils are mainly red sandy loams and shallow to medium black soils.
7	Tank irrigated area – paddy cropping	There are good number of tanks mainly in the taluks of Raichur and Deodurga. Under this situation paddy is the main crop in Kharif season. The second crop of either paddy or groundnut is taken in rabi/summer if sufficient water is available.

2.3 Soil type/s

S. No	Soil type	Characteristics	Area in ha
1	Black soils	The shallow and medium black soils are grey to deep black in colour (mostly pellustert) clay to clay loam in texture. They contain lime nodules and the base saturation is high with medium to high water retaining capacity. The Cation	60%

S. No	Soil type	Characteristics	Area in ha
		Exchange Capacity (CEC) is fairly high ranging from 50-70 me/100g. The silica sesquioxide ratio (SiO_2/R202) is around 3.5	
2	Gravelly red soils	Light textured soils having low organic carbon content and low to medium, phosphorus and potash status. They contain low water retention capacity. Soils are grouped in alfisols.	30%
3	Alluvial soils	These soils are formed due to transportation and deposition through river water on the river banks. In texture, they vary from drift sand to loam and stiff clay. There is no marked differentiation in the horizons and the profiles are often characterized by the absence of stratification. The colour of these soils is generally gray. They are neutral to alkaline in reaction, moderate to high in CEC and bases. They are found on the banks of Tungabhadra and Krishna rivers in this zone.	10%

2.4. Area, Production and Productivity of major crops cultivated in the district

S. No	Crop	Area (ha)	Production (Metric tons)	Productivity (kg /ha)
1.	Paddy	195585.00	5539	1083377.24
2.	Sorghum	72476.01	1699	123142.08
3.	Maize	1789.00	2040	3649.07
4.	Peralmillet	17455.80	820	14314.99
5.	Millets	1357.06	434	589.16
6.	Pegionpea	176803.00	576	101838.53
7.	Chickpea	11044.54	665	7348.12
8.	Horsegram	139.44	695	96.95
9.	Greengram	332.51	335	111.45
10.	Fodder Sorghum	220.54	427	94.15
11.	Groundnut	5969.00	1128	6731.41
12.	Seasmum	658.55	777	511.56
13.	Castor	415.56	614	255.16
14.	Sunflower	7853.13	643	5047.47
15.	Cotton	174635.00	547	562057.23

**** (Source: Department of Agriculture Raichur 2024-25 target)***

Unit: Area in Hectares, production in tonnes and yield in kg/ha,Cotton in Bales, Sugarcane in Tonnes

2.4. A Area, Production and Productivity of major Horticulture crops cultivated in the district

S. No.	Crop	Area (ha)	Production (Metric tons)	Productivity (kg /ha)
1.	Mango	1415	9989	7.06
2.	Pomegranate	1400	14754	10.54
3.	Lime	100	2500	25.00
4.	Mosambi	170	3060	18.00
5.	Guava	132	2754	20.86
6.	Papaya	437	35199	80.55
7.	Custard apple	50	384	7.68
8.	Watermelon	44	1473	33.48
9.	Muskmelon	42	770	18.33
10.	Dragon fruit	30	157	5.23
11.	Tomato	234	8350	35.68
12.	Onion	1458	29161	20.00
13.	Green Chilli	864	13535	15.67
14.	Dry Chilli	19641	25513	1.30
15.	Cucumber	57	880	15.44
16.	Ridge gourd	45	373	8.29
17.	Brnijal	115	2875	25.00
18.	Ladies Finger	55	499	9.07
19.	Palmyra Palm tree	83	996	12.00

****(Source: Department of Horticulture 2024-25)***

2.5. Weather data year of 2025

Month	Max.T (°c)	Min.T (°c)	Rain fall (mm)	Rainy Day	Max RH (%)	Min RH (%)	EVP (mm/day)	Bright Sun shine Hrs (Hrs/Day)	Wind Spd (km/ Hrs)
January	30.5	16.6	0.0	0	81.3	39.0	4.8	6.5	5.2
February	34.5	18.6	0.0	0	64.6	26.6	7.6	8.5	5.1
March	37.0	21.7	0.0	0	56.7	23.9	8.6	7.2	6.1
April	38.3	24.8	24.2	2	60.7	26.8	9.2	5.9	7.3
May	36.3	23.9	79.6	7	70.6	37.5	8.5	5.3	10.0
June	34.7	22.6	53.2	7	79.0	44.2	7.3	3.3	12.7
July	32.6	22.4	200.8	8	82.6	52.9	5.5	2.0	12.6
August	30.8	22.1	189.8	15	91.0	63.8	4.0	3.1	8.0
September	30.3	21.9	124.4	7	91.0	67.0	3.5	3.5	6.4
October	30.8	21.5	55.0	6	88.5	59.2	3.3	4.3	3.4
November	29.9	17.6	25.2	2	81.4	46.4	3.9	6.8	3.5
December	29.1	13.1	0	0	80	39	4	7	3

**** GKMS-Main Agriculture Research Station, Raichur 2025-26***

2.6. Production and productivity of livestock, Poultry, Fisheries etc. in the district

3. Category	Population	Production	Productivity
Cattle			
Crossbred	11293	Milk-12000t/year	Milk-5.674kg/day/animal
Indigenous	400152	Milk-67000t/year	Milk-2.351kg/day/animal
Buffalo	213058	Milk-49000t/year Cara beef-79t/year	Milk-2.489kg/day/animal Cara beef-112kg/year/animal
Sheep			
Crossbred	237	Mutton-433t/year	Mutton-14kg/year/animal
Exotic	25		
Indigenous	560734		
Goats	382253	Milk-4000t/year Chevon-118t/year	Milk-0.090kg/day/animal Chevon-15kg/year/animal
Pigs			
Crossbred	Nil		
Indigenous	16295	Pork-55t/year	Pork-45.61kg/year/animal
Rabbits	94		
Poultry			
Hens	374446	Eggs-933lakh/year (66 lakh desi& 867 lakh improved) Chicken-144t/year	250 eggs/improved layer/year Chicken-1.61kg/year/animal
Desi	-	-	-
Improved	-	-	-
Ducks	-	-	-
Turkey and others	-	-	-
Fish	500 ha	4129 M tonnes of fish prod'n.	
Marine	-	-	-
Inland	-	-	-
Prawn	-	-	-
Scampi	-	-	-
Shrimp	-	-	-

Information on livestock status (20th census)

Sl	Taluks	Milch Animals						Draught Animals	Sheep	Goats	Poultry Birds	Poultry Farms	Piggery
		Cows			Buffaloes								
		L	UP	E	L	UP	E						
1	Raichur	35763	-	-	16223	-	-		120164	38116	151719	-	4882
2	Manvi	23125	-	-	17556	-	-		28592	28592	32294	-	2197
3	Sindhanoor	36000	-	-	33559	-	-		85238	17317	34219	-	779
4	Lingsugur	50569	-	-	14020	-	-		130339	71144	49863	-	4549
5	Deodurga	53365	-	-	12233	-	-		118521	61794	59144	-	3252
6	Siwar	14951	-	-	7294				21813	15513	25269	-	420
7	Maski	31601	-	-	11535				104833	50242	45396	-	305
Total		**245374**	**-**	**-**	**112420**				**657633**	**282718**	**397976**	**-**	**16384**

***(Source: Department of Animal Husbandry, Raichur)**

Note:

- L=Local UP=Upgraded E=Exotic
- 36 and 40 % of Cows and Buffalos respectively are upgraded and others are local
- 65 % of Milch animals are Cows

Category	Area	Production	Productivity
Fish	Nil	Nil	Nil
Marine	Nil	Nil	Nil
Inland	Nil	Nil	Nil
Prawn	Nil	Nil	Nil
Scampi	Nil	Nil	Nil
Shrimp	Nil	Nil	Nil

* Please provide latest data from authorized sources. Please quote the source

2.7 District profile maintained in the KVK has been Updated for 2025: Yes

2.8 Details of Operational area / Villages

Sl. No.	Taluk	Name of the block	Name of the village	How long the village is covered under operational area of the KVK (specify the years)	Major crops & enterprises	Major problem identified	Identified Thrust Areas
1.	Sirwar	Sirwar	Jakkaladinni	1 Year	Pigeonpea	• Improper spacing, lack of integrated crop management practices and low yield (20-25%).	Integrated Crop Management
2.	Sirwar	Sirwar	Jakkaldinni	1 Year	Bengalgram	• Wilt Incidence • Low Yield • Moisture Stress	New Variety Introduction
3.	Devadurga	Jagatakal	Nagadadinni	1 Year	Chilli	• Anthracnose (fruit rot) and powdery mildew	New Variety Introduction
4.	Raichur	Raichur	Chandrabanda cluster	3 Years	Onion	• Low yield, Small bulbs, bulb rotting, Long duration	New Variety Introduction
5.	Sirwar	Sirwar	Bagwat	1Year	Paddy	• New pest • Lack of IPM practices	Integrated Pest Management
6.	Sirwar	Sirwar	Sultanpura & Sirwar	2 Years	Pigeonpea	• No seed treatment • Line sowing without proper spacing • Wilt due to water logging condition • Lack of knowledge about foliar nutrient application	Integrated Crop Management
7.	Devadurga	Devadurga	Jadaladinni	1 Year	Pigeonpea	• Pest problems viz., pod borer, pod fly and leaf webber/flower webber • Indiscriminate use of chemical pesticides	Integrated Pest Management
8.	Sirwar	Sirwar	Athanur	1 Year	Chickpea	• High incidence of podborer • More pesticides usage & low economic returns	Integrated Pest Management
9.	Raichur	Raichur	Kutletkur	1 Year	Groundnut	• Pest and diseases (PBND), *Spodoptera*, leaf miner, sucking pests , leaf spot and collar rot)	Integrated Pest & Disease Management
10.	Sindhanur	Sindhanur	Udbal	1 Year	Sunflower	• Management of Sunflower necrosis(thrips) and leaf curl(whitefly)	Integrated Pest Management
11.	Sirwar	Sirwar	Heera	1 Year	Bt-Cotton	• Outbreak of pink bollworm in *Bt* Cotton (60-80% damage)	Integrated Pest Management

12.	Devadurga	Devadurga	Sunkeshwarhal	1 Year	Chilli	• Indiscriminate use of chemical pesticides for management of thrips & mites (murda complex) / black thrips, *Spodoptera litura* Fab and wilt	Integrated Pest & Disease Management
13.	Raichur	Raichur	Chandrabanda	5 Years	Cucumber	• Flower drop due to increase male flower node ratio (5:1) • Unscientific spraying of growth regulators (5-6 times) at every 10-15 days intervals resulted max vegetative growth	Integrated Nutrient Management
14.	Sirwar	Sirwar	Sirwar	5 Years	Chilli	• Seedling wilt incidence • Micronutrient deficiency • Unscientific management practices (spraying instead of drenching at moist stage) • Use of more combination and high dosage of chemicals	Integrated Nutrient Management
15.	Raichur	Raichur	Burdipad	2 Years	Mango	• Sole cropping system and no additional income • Lack of natural resource management • Low soil fertility status • Soil erosion	Integrated Nutrient Management
16.	Lingasugur	Lingasugur	Lingasugur	1 Year	Marigold	• Excessive application of major nutrients • Unawareness of biofertilizers, gowth • promoters & its usage	Integrated Crop Management
17.	Sirwar	Sirwar	Hosahalli	1 Year	Cotton Shredder	• High labour cost • More human drudgery • More time consuming • Nutrient losses in soil	Cost Reduction
18.	Raichur	Raichur	Nelahal	1 Year	Chilli (solar powered Sprayer)	• Labour scarcity for spraying operation • Time consuming & health issues.	Cost Reduction
19.	Devadurga	Devadurga	Devadurga	1 Year	Pigeonpea (crop mulcher)	• High labour cost • More human drudgery • More time consuming	Cost Reduction

20.	Devadurga	Arkera	Alkod	3 Years	Backyard poultry Gramapriya	• Lack of availability of quality Backyard layers • Lack of availability of quality Nati eggs	Cost Reduction
21.	Raichur	Raichur	Shaktinagar	1 Year	Nutritional Security	• Malnutrition, lack of awareness about nutritious food, non-utilization of resources-water, space & organic waste.	Integrated Nutrient Management

2.8 Priority thrust areas

S. No	Thrust area
1.	Double cropping system
2.	Integrated Nutrient management
3.	Integrated Pest Management
4.	Integrated crop management
5.	Organic Farming
6.	Water Conservation
7.	Fodder Production
8.	Drudgery reduction & Mechanization
9.	Value Addition & Marketing
10.	Post-harvest Technology
11.	Climate resilient agriculture
12.	Dry land Technologies
13.	Health & Nutrition
14.	Farm waste management
15.	Income generating activities
16.	Crop diversification
17.	Integrated dairy management in cattle
18.	House fly menace in poultry sheds
19.	Fodder production, preservation, enrichment and nutrition management
20.	Nutritional security through Nutrition garden
21.	Drudgery reducing tools in farm operations
22.	EDP on mango value addition

PART III - TECHNICAL ACHIEVEMENTS

3.A. Target and Achievements of mandatory activities

OFT				FLD			
1				2			
OFTs (No.)		Farmers (No.)		FLDs (No.)		Farmers (No.)	
Target	Achievement	Target	Achievement	Target	Achievement	Target	Achievement
04	04	15	15	16	16	165	165

Training (Farmers/farm women)				Training (Rural youth)			
3				4			
Courses (No.)		Participants (No.)		Programs (No.)		Participants (No.)	
Target	Achievement	Target	Achievement	Target	Achievement	Target	Achievement
80	**188**	**2400**	**5640**	05	09	150	360

Training (Extension personnel)				Training (sponsored)			
5				6			
Courses (No.)		Participants (No.)		Programs (No.)		Participants (No.)	
Target	Achievement	Target	Achievement	Target	Achievement	Target	Achievement
03	**05**	**90**	**200**	15	25	450	806

Training (Vocational)				Extension Programs			
7				8			
Courses (No.)		Participants (No.)		Programs (No.)		Participants (No.)	
Target	Achievement	Target	Achievement	Target	Achievement	Target	Achievement
4	**8**	**120**	**320**	800	1800	15000	35000

Seed Production (Q)		Planting material (Nos.)	
9		10	
Target	Achievement	Target	Achievement
30	26	2000(Mango, lemon, guava and tamrind)	1800(Mango, lemon, guava and tamrind)

Livestock, poultry strains and fingerlings (No.)		Bio-products (Kg)	
11		12	
Target	Achievement	Target	Achievement
100	100	1000	1500
Soil, water, plant and manure analysis (including mobile kits)		Mobile agro advisories provided	
13		14	
Samples (No.)	Farmers (No.)	Messages including text, voice (No.)	Farmers (No.)
Target / Achievement / Target / Achievement		Target / Achievement / Target / Achievement	
1200 / 950 / 1000 / 800		18000 / 20000 / 35000 / 68980	

3.B1. Abstract of interventions undertaken

S. No	Thrust area	Crop/ Enterprise	Identified Problem	Interventions										
				Title of OFT if any	Title of FLD if any	No. of Training (farmers)	No of Training (Youths)	No. of Training (extension personnel)	Extension activities (No.)	Supply of seeds (Qtl.)	Supply of planting materials (No.)	Supply of livestock (No.)	Supply of bio products	
													No.	Kg
1	Integrated Crop Management	Pigeonpea	• Improper spacing, lack of integrated crop management practices and low yield (20-25%).	Assessment of planting methods in pigeonpea (GRG-811) under rainfed condition	-	02	-	-	05	0.25	-	-	2	2.0
2	New Variety Introduction	Chickpea	• Wilt Incidence • Low Yield • Moisture Stress	Assessment of *fusarium* wilt resistant chickpea variety	-	02	-	-	05	0.40	-	-	2	2.0
3	New Variety Introduction	Chilli	• Anthracnose (fruit rot) and powdery mildew	Demonstration of leaf curl virus resistant variety in Chilli	-	Crop vitiated due to heavy rain after the one month of planting								
4	New Variety Introduction	Onion	• Low yield, Small bulbs, bulb rotting, Long duration	Assessment of onion varieties for *rabi* season	-	02	-	-	1	0.12	-	-	1	4.0
5	Integrated Pest & Disease Management	Groundnut	• Pest and diseases (PBND), Spodoptera, leaf miner, sucking pests , leaf spot and collar rot)	-	Integrated Pest and Disease Management in Groundnut	04	1	1	3	-	-	-	3	30
6	Integrated Pest Management	Sunflower	• Management of Sunflower necrosis(thrips) and leaf curl(whitefly)	-	Management of Sunflower necrosis (thrips) and leaf curl (whitefly)	2	1	1	2	-	-	-	-	-
7	Integrated Crop Management	Pigeonpea	• No seed treatment • Line sowing without proper spacing • Wilt due to water logging condition	-	Demonstration of ridge and furrow cultivation in Pigeonpea	2	1	1	3	-	-	-	3	5

S. No	Thrust area	Crop/ Enterprise	Identified Problem	Interventions										
				Title of OFT if any	Title of FLD if any	No. of Training (farmers)	No of Training (Youths)	No. of Training (extension personnel)	Extension activities (No.)	Supply of seeds (Qtl.)	Supply of planting materials (No.)	Supply of livestock (No.)	Supply of bio products	
													No.	Kg
			• Lack of knowledge about foliar nutrient application											
8	Integrated Pest Management	Pigeonpea	• Pest problems viz., pod borer, pod fly and leaf webber/flower webber • Indiscriminate use of chemical pesticides	-	Integrated Pest Management in Pigeonpea	2	1	1	2	-	-	-	2	20
9	Integrated Pest Management	Chickpea	• High incidence of podborer • More pesticides usage & low economic returns	-	Integrated Management of *Helicoverpa armigera* in Chickpea	2	1	1	3	-	-	-	2	20
1	Integrated Pest Management	Paddy	• New pest • Lack of IPM practices	-	Integrated management of yellow stem borer and gall midge in Paddy	2	1	1	3	-	-	-	-	-
1	Integrated Pest & Disease Management	Chilli	• Indiscriminate use of chemical pesticides for management of thrips & mites (murda complex) / black thrips, Spodoptera litura Fab and wilt	-	Integrated Pest and Disease (wilt) Management in Chilli	2	1	1	3	-	-	-	4	80
1	Integrated Nutrient Management	Cucumber	• Flower drop due to increase male flower node ratio (5:1) • Unscientific spraying of growth regulators (5-6 times) at every 10-15 days	-	Use of growth regulator (Mepiquat Chloride 5 % AS) for higher productivity in cucumber	2	1	1	2	-	-	-	-	-

S. No	Thrust area	Crop/ Enterprise	Identified Problem	Interventions										
				Title of OFT if any	Title of FLD if any	No. of Training (farmers)	No of Training (Youths)	No. of Training (extension personnel)	Extension activities (No.)	Supply of seeds (Qtl.)	Supply of planting materials (No.)	Supply of livestock (No.)	Supply of bio products	
													No.	Kg
			intervals resulted max vegetative growth											
1	Integrated Nutrient Management	Chilli	• Seedling wilt incidence • Micronutrient deficiency • Unscientific management practices (spraying instead of drenching at moist stage) • Use of more combination and high dosage of chemicals	-	Demonstration of Arka Microbial Consortia in Chilli	2	1	1	3	-	-	-	1	40 L
1	Integrated Crop Management	Marigold	• Excessive application of major nutrients • Unawareness of biofertilizers, gowth • promoters & its usage	-	Demonstration on application of bio fertilizers and humic acid in marigold for higher productivity	2	1	1	2	-	-	-	3	30
1	Integrated Nutrient Management	Mango	• Sole cropping system and no additional income • Lack of natural resource management • Low soil fertility status • Soil erosion	-	Demonstration of Dolichos Bean cultivation in mango orchard for soil health management	2	1	1	2	-	-	-	1	10
1	Integrated Pest Management	Bt-Cotton	• Outbreak of pink bollworm in Bt Cotton (60-80% damage)	-	Integrated management of Pink bollworm in *Bt* cotton	2	1	1	3	-	-	-	1	40
1	Cost Reduction	Cotton	• High labour cost • More human	-	Demonstration of tractor operated cotton	2	1	1	2	-	-	-	-	-

S. No	Thrust area	Crop/ Enterprise	Identified Problem	Interventions										
				Title of OFT if any	Title of FLD if any	No. of Training (farmers)	No of Training (Youths)	No. of Training (extension personnel)	Extension activities (No.)	Supply of seeds (Qtl.)	Supply of planting materials (No.)	Supply of livestock (No.)	Supply of bio products	
													No.	Kg
		Shredder	drudgery • More time consuming • Nutrient losses in soil		shredder for cotton straw management.									
1	Cost Reduction	Chilli (solar powered Sprayer)	• Labour scarcity for spraying operation • Time consuming & health issues.	-	Demonstration of remote controlled solar powered sprayer	2	1	1	2	-	-	-	-	-
1	Cost Reduction	Pigeonpea (crop mulcher)	• High labour cost • More human drudgery • More time consuming	-	Demonstration of tractor operated multi crop mulcher for crop residue management in pigeon pea	2	2	1	2	-	-	-	-	-
2	Cost Reduction	Backyard poultry bird "BV 380 layers	• Lack of availability of quality Backyard layers • Lack of availability of quality Nati eggs	-	Demonstration of Improved Backyard poultry "BV 380 layers for doubling of farmers income	2	1	1	2	-	-	100	-	-
2	Integrated Nutrient Management	Nutritional Security	• Malnutrition, lack of awareness about nutritious food, non-utilization of resources-water, space & organic waste.	-	Demonstration of Nutri-Farms for Year Round Nutrition Security	2	1	1	2	-	-	-	-	-

3.B2. Details of technology used during reporting period

S. No	Title of Technology	Source of technology	Crop/enterprise	No.of programs conducted			
				OFT	FLD	Training	Extension activity
1	2	3	4	5	6	7	8
1.	Assessment of planting methods in pigeonpea (GRG-811) under rainfed condition	PJTSAU, Hyderabad	Pigeonpea	2	-	1	2
2.	Assessment of *fusarium* wilt resistant chickpea variety	MPKV, Rahuri	Chickpea	5	-	1	3
3.	Demonstration of leaf curl virus resistant variety in Chilli		Chilli	3	-	1	--
4.	Assessment of onion varieties for *rabi* season	DOGR, Pune	Onion	3	-	3	3
5.	Integrated Pest and Disease Management in Groundnut	AICRPG,UASR	Groundnut	-	10	3	1
6.	Management of Sunflower necrosis (thrips) and leaf curl (whitefly)	-	Sunflower	-	10	3	1
7.	Demonstration of ridge and furrow cultivation in Pigeonpea	UAS, Raichur	Pigeonpea	-	10	3	1
8.	Integrated Pest Management in Pigeonpea	UAS, Raichur	Pigeonpea	-	10	3	1
9.	Integrated Management of *Helicoverpa armigera* in Chickpea	UAS, Raichur	Chickpea	-	10	3	1
10.	Integrated management of yellow stem borer and gall midge in Paddy	UAS, Raichur	Paddy	-	10	3	1
11.	Integrated Pest and Disease (wilt) Management in Chilli	UAS, Raichur	Chilli	-	10	3	1
12.	Use of growth regulator (Mepiquat Chloride 5 % AS) for higher productivity in cucumber	IIHR, Bengaluru	Cucumber	-	5	3	1
13.	Demonstration of Arka Microbial Consortia in Chilli	IIHR, Bengaluru	Chilli	-	20	3	1
14.	Demonstration on application of bio fertilizers and humic acid in marigold for higher productivity	UAS, Raichur	Marigold	-	5	3	1
15.	Demonstration of Dolichos Bean cultivation in mango orchard for soil health management	UAS, Raichur	Mango	-	5	3	1
16.	Integrated management of Pink bollworm in *Bt* cotton	UAS, Raichur	Bt-Cotton	-	10	3	1
17.	Demonstration of tractor operated cotton shredder for cotton straw management.	UAS, Raichur	Cotton Shredder	-	10	3	1
18.	Demonstration of remote controlled solar powered sprayer	UAS, Raichur	Chilli (solar powered Sprayer)	-	10	3	1
19.	Demonstration of tractor operated multi crop mulcher for crop residue management in pigeon pea	UAS, Raichur	Pigeonpea (crop mulcher)	-	10	3	1
20.	Demonstration of Improved Backyard poultry bird "BV 380 layers for doubling of farmers income	DPRH	Backyard poultry bird "BV 380 layers	-	10	3	1
21.	Demonstration of Nutri-Farms for Year Round Nutrition Security	UAS, Bengaluru	Nutrition Security	-	10	3	1

3.B2 contd..

No. of farmers covered															
OFT				FLD				Training				Extension Activity			
General		SC/ST		General		SC/ST		General		SC/ST		General		SC/ST	
M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
9	12	10	03	92	20	46	12	21300	6450	9200	3210	18240	3450	5320	2380

PART IV - On Farm Trial

4.A1. Abstract on the number of technologies assessed in respect of crops

Thematic areas	Cereals	Oilseeds	Pulses	Commercial Crops	Vegetables	Fruits	Flower	Plantation crops	Tuber Crops	Spice / Medicinal crops	TOTAL
Bee Keeping	-	-	-	-	-	-	-	-	-	-	-
Biological control	2	3	5	1	3	2	1	-	-	-	13
Canopy Management	-	-	-	1	-	-	-	-	-	-	01
Crop Diversification	-	-	-	-	-	-	-	-	-	-	-
Cropping Systems	-	-	-	-	-	-	-	-	-	-	-
Drudgery Reduction	-	-	-	-	-	1	-	-	-	-	01
Farm Machineries	-	-	-	-	-	-	-	-	-	-	-
Fertigation Technique	-	-	-	-	-	-	-	-	-	-	-
Fodder and Nursery raising	-	-	-	-	-	-	-	-	-	-	-
High Density Planting	-	-	-	01	-	-	-	-	-	-	01
Information and Communication Technology	-	-	-	-	-	-	-	-	-	-	-
Integrated Crop Management	-	-	-	-	-	-	-	-	-	-	-
Integrated Disease Management	-	-	-	00	-	-	-	-	-	-	-
Integrated Farming System	-	-	-	-	-	-	-	-	-	-	-
Integrated Nutrient Management	-	-	-	-	-	-	-	-	-	-	-
Integrated Pest and Disease Management	-	-	-	02	-	-	-	-	-	-	02
Integrated Pest Management	-	-	-	04	-	-	-	-	-	-	04
Natural Farming	-	-	-	-	-	-	-	-	-	-	-
Organic cultivation	-	-	-	-	-	-	-	-	-	-	-
Plasticulture	-	-	-	-	-	-	-	-	-	-	-
Post Harvest Technology	-	-	-	-	-	-	-	-	-	-	-
Protected Cultivation	-	-	-	-	-	-	-	-	-	-	-
Resource Conservation Technology	-	-	-	-	-	-	-	-	-	-	-
Seed / Plant production	-	-	-	-	-	-	-	-	-	-	-
Soil health management	-	-	-	-	-	-	-	-	-	-	-
Storage Technique	-	-	-	-	-	-	-	-	-	-	-
Varietal Evaluation			2		2	-	-	-	-	-	4
Water management	-	-	2	-	2	-	-	-	-	-	4

Weed Management	-	-	-	-	-	-	-	-	-	-	-
Total	2	3	9	9	7	3	1				30

4.A2. Abstract on the number of technologies refined in respect of crops

Thematic areas	Cereals	Oilseeds	Pulses	Commercial Crops	Vegetables	Fruits	Flower	Plantation crops	Tuber Crops	Spice / Medicinal crops	TOTAL
Integrated Nutrient Management	-	-	-	-	-	-	-	-	-	-	-
Varietal Evaluation	-	-	-	-	-	-	-	-	-	-	-
Integrated Pest Management	-	-	-	-	-	-	-	-	-	-	-
Integrated Crop Management	-	-	-	-	-	-	-	-	-	-	-
Integrated Disease Management	-	-	-	-	-	-	-	-	-	-	-
Small Scale Income Generation Enterprises	-	-	-	-	-	-	-	-	-	-	-
Weed Management	-	-	-	-	-	-	-	-	-	-	-
Resource Conservation Technology	-	-	-	-	-	-	-	-	-	-	-
Farm Machineries	-	-	-	-	-	-	-	-	-	-	-
Integrated Farming System	-	-	-	-	-	-	-	-	-	-	-
Seed / Plant production	-	-	-	-	-	-	-	-	-	-	-
Value addition	-	-	-	-	-	-	-	-	-	-	-
Drudgery Reduction	-	-	-	-	-	-	-	-	-	-	-
Storage Technique	-	-	-	-	-	-	-	-	-	-	-
Cropping Systems	-	-	-	-	-	-	-	-	-	-	-
Farm Mechanization	-	-	-	-	-	-	-	-	-	-	-
Mushroom cultivation	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-	-

4.A3. Abstract on the number of technologies assessed in respect of livestock

Thematic areas	Cattle	Poultry	Piggery	Rabbit	Fisheries	TOTAL
Animal Health management	-	-	-	-	-	-
Animal Nutrition Management	-	-	-	-	-	-
Composite fish culture	-	-	-	-	-	-
Dairy Management	-	-	-	-	-	-
Animal Disease Management	-	-	-	-	-	-
Evaluation of Breeds	-	-	-	-	-	-
Feed and Fodder management	-	-	-	-	-	-
Fish Production	-	-	-	-	-	-
Integrated Farming System	-	-	-	-	-	-
Livestock Production and Management	-	-	-	-	-	-
Processing and value addition	-	-	-	-	-	-
Small Scale Income Generation Enterprises	-	-	-	-	-	-
TOTAL	-	-	-	-	-	-

4.A4. Abstract on the number of technologies refined in respect of livestock

Thematic areas	Cattle	Poultry	Piggery	Rabbit	Fisheries	TOTAL
Evaluation of Breeds	-	-	-	-	-	-
Nutrition Management	-	-	-	-	-	-
Disease of Management	-	-	-	-	-	-
Value Addition	-	-	-	-	-	-
Production and Management	-	-	-	-	-	-
Feed and Fodder	-	-	-	-	-	-
Small Scale income generating enterprises	-	-	-	-	-	-
Dairy	-	-	-	-	-	-
TOTAL	-	-	-	-	-	-

4.B. Achievements on technologies Assessed and Refined

4.B.1. Technologies Assessed under various Crops

Thematic areas	Crop	Name of the technologies	No. of Technological options tested in each OFT	No. of trials	Number of farmers / locations	Area in ha (Per trial covering all Technological Options in a farm)
Bee Keeping	-		-	-	-	-
Biological control	-		-	-	-	-
Canopy Management	**Cotton, pigeonpea**	Assessment of planting methods in pigeonpea (GRG-811) under rainfed condition	**04**	**03**	-	**250**
Crop Diversification	-		-	-	-	-
Cropping Systems	-	-	-	-	-	-
Drudgery Reduction	-	-	-	-	-	-
Farm Machineries	-	-	-	-	-	-
Resource Conservation Technology	-	-	-	-	-	-
Farm Machineries	-	-	-	-	-	-
Fertigation Technique	-	-	-	-	-	-
Fodder and Nursery raising	-	-	-	-	-	-
High Density Planting	-	-	-	-	-	-
Integrated Crop Management	-	-	-	-	-	-
Integrated Disease Management	-	-	-	-	-	-
Integrated Farming System	-	-	-	-	-	-
Integrated Nutrient Management	-	-	-	-	-	-
Integrated Pest and Disease Management	**Chilli**	-	-	-	-	**150**
Integrated Pest Management	**cotton**	-	-	-	-	**250**
Natural Farming	-	-	-	-	-	-
Organic cultivation	-	-	-	-	-	-
Plasticulture	-	-	-	-	-	-
Post Harvest Technology	-	-	-	-	-	-
Protected Cultivation	-	-	-	-	-	-
Resource Conservation Technology	-	-	-	-	-	-
Seed / Plant production	-	-	-	-	-	-
Soil health management	-	-	-	-	-	-
Storage Technique	-	-	-	-	-	-
Varietal Evaluation	Chickpea	Assessment of *fusarium* wilt resistant chickpea variety	-	**03**	-	**12**

	Chilli onion	Demonstration of leaf curl virus resistant variety in Chilli Assessment of onion varieties for *rabi* season		**03** **03**		
Water management	-		-	-	-	-
Weed Management	-		-	-	-	-
Total	-	-	-	-	-	-

4.B.2. Technologies Refined under various Crops

Thematic areas	Crop	Name of the technologies	No. of Technological options tested in each OFT	No. of trials	Number of farmers/locations	Area in ha (Per trial covering all Technological Options in a farm)
Integrated Nutrient Management	-	-	-	-	-	-
Varietal Evaluation	-	-	-	-	-	-
Integrated Pest Management	-	-	-	-	-	-
Integrated Crop Management	-	-	-	-	-	-
Integrated Disease Management	-	-	-	-	-	-
Small Scale Income Generation Enterprises	-	-	-	-	-	-
Weed Management	-	-	-	-	-	-
Resource Conservation Technology	-	-	-	-	-	-
Farm Machineries	-	-	-	-	-	-
Integrated Farming System	-	-	-	-	-	-
Seed / Plant production	-	-	-	-	-	-
Post Harvest Technology/Value addition	-	-	-	-	-	-
Drudgery Reduction	-	-	-	-	-	-
Storage Technique	-	-	-	-	-	-
Mushroom cultivation	-	-	-	-	-	-
Cropping Systems	-	-	-	-	-	-
Farm Mechanization	-	-	-	-	-	-
Total	-	-	-	-	-	-

4.B.3. Technologies assessed under Livestock

Thematic areas	Name of the livestock	Name of the technologies	No. of Technological options tested in each OFT	No. of trials	No. of farmers/locations
Animal Health management	-	-	-	-	-
Animal Nutrition Management	-	-	-	-	-
Composite fish culture	-	-	-	-	-
Dairy Management	-	-	-	-	-
Animal Disease Management	-	-	-	-	-
Evaluation of Breeds	-	-	-	-	-
Feed and Fodder management	-	-	-	-	-
Fish Production	-	-	-	-	-
Integrated Farming System	-	-	-	-	-
Livestock Production and Management	-	-	-	-	-
Processing and value addition	-	-	-	-	-
Small Scale Income Generation Enterprises	-	-	-	-	-
Total					

4.B.4. Technologies Refined under Livestock and other enterprises

Thematic areas	Name of the livestock	Name of the technologies	No. of Technological options tested in each OFT	No. of trials	No. of farmers/locations
Evaluation of breeds	-	-	-	-	-
Nutrition management	-	-	-	-	-
Disease management	-	-	-	-	-
Processing and Value addition	-	-	-	-	-
Production and management	-	-	-	-	-
Feed and fodder management	-	-	-	-	-

Small scale income generating enterprises	-	-	-	-	-
Total	-	-	-	-	-

4.B.5. Technologies assessed under various enterprises by KVKs

Sl.	**Thematic areas**	**Name of the enterprise**	**Name of technology(s)**	**No. of Technological options tested in each OFT**	**No. of trials**	**No. of locations**
1	Agroforestry management	-	-	-	-	-
2	Bee keeping	-	-	-	-	-
3	Crop residue management	-	-	-	-	-
4	Drudgery reduction	-	-	-	-	-
5	Energy conservation	-	-	-	-	-
6	Entrepreneurship Development	-	-	-	-	-
7	Fish seed production	-	-	-	-	-
8	Household food security	-	-	-	-	-
9	Information and Communication Technology (ICT)	-	-	-	-	-
10	Integrated Farming system	-	-	-	-	-
11	Mechanization	-	-	-	-	-
12	Mushroom Cultivation	-	-	-	-	-
13	Nursery raising	-	-	-	-	-
14	Organic farming	-	-	-	-	-
15	Post Harvest Management	-	-	-	-	-
16	Livestock Production and Management	-	-	-	-	-
17	Processing and value addition	-	-	-	-	-
18	Resource conservation technology	-	-	-	-	-
19	Small-scale income generation	-	-	-	-	-
20	Storage techniques	-	-	-	-	-
21	Vermicomposting	-	-	-	-	-

4.B.6.Technologies assessed under various enterprises for women empowerment

	Thematic areas	**Name of enterprise**	**Name of technology(s)**	**No. of Technological options tested in each OFT**	**No. of trials**	**No. of locations**
1	Drudgery Reduction	-	-	-	-	-
2	Entrepreneurship Development	-	-	-	-	-
3	Health and Nutrition	-	-	-	-	-
4	Kitchen / Nutrition Gardening	-	-	-	-	-
5	Storage Technique	-	-	-	-	-
6	Value Addition	-	-	-	-	-
7	Women and child care	-	-	-	-	-
8	Women Empowerment	-	-	-	-	-

4.C1. Results of Technologies Assessed

Crop/ enterprise	Farming situation	Problem definition	Title of OFT	No. of trials	Technology Assessed	Source of technology	Yield	Unit of yield	Observations other than yield	Gross Return Rs. / unit	Net Return Rs. / unit	BC Ratio (Gross income/ Gross Cost)
1	2	3	4	5	6	7	8	9	10	11	12	13
Pigeonpea	Rainfed	• Improper spacing, lack of integrated crop management practices and low yield (20-25%).	Assessment of planting methods in pigeonpea (GRG-811) under rainfed condition		**TO1:**Farmers practice	-						
					TO2: Sowing (90 × 30 cm) one hand weeding (20-30 DAS and inter cultivation @ 40 and 60 DAS	UAS Raichur	10.05	Q/ha	20.25	75375	42855	2.31
					TO3: Square planting i.e., dibbling 2 seeds per hill (100 × 100 cm) and both direction inter cultivation @ 25 and 50 DAS	PJTSAU, Hyderabad	12.25	Q/ha	25.12	91875	26635	2.60
Chickpea	Rainfed	• Wilt Incidence • Low Yield • Moisture Stress	Assessment of *fusarium* wilt resistant chickpea variety		**TO1:** Annigeri-1	Farmer practice	Crop at harvesting stage		Wilt incidence 15.00			
					TO2: JG-11	JNKVV, Jabalpur			13.56			
					TO3: Pule Vikram	MPKV, Rahuri			12.00			
Chilli	Irrigated	• Anthracnose (fruit rot) and powd ery mildew	Demonstration of leaf curl virus resistant variety in Chilli		**TO1:**	Crop vitiated due to heavy rain						
					TO2:							
					TO3:							
Onion	Irrigated	• Low yield, Small bulbs, bulb rotting, Long duration	Assessment of onion varieties for *rabi* season		**TO1:** Farmers practice	-	255.6	Q/ha	Purple blotch incidence (%)26.50 Thrips incidence	485640	297109	5.48

									(%)30.10			
					TO2: Arka Bheema	IIHR, Bengaluru	299.2		Purple blotch incidence (%)12.2 Thrips incidence (%)15.0	688160	593341	7.25
					TO3: Bhima Kiran	DOGR, Pune	278.4		Purple blotch incidence (%)5.4 Thrips incidence (%)3.5	640320	545847	6.77

4. C2. Feedback on technologies assessed

Name of technology assessed	**Useful characters as well as constraints of technology**	**Socio-economic as well as administrative constraints for its adoption**
Assessment of planting methods in pigeonpea (GRG-811) under rainfed condition	It's a well adopted technologies for better weed management and it needs well developed seed drill for square planting sowing pattern	Farmers lack square planting seed drill • Low awareness about planting geometry benefits • Reluctance to shift from traditional line sowing
Assessment of *fusarium* wilt resistant chickpea variety	The improved cultivars under study found to be resistant to fusarium wilt	• Farmers preference for traditional varieties
Demonstration of leaf curl virus resistant variety in Chilli	The improved cultivars under study found to be promising and showed resistant to leaf curl disease and recorded good yield	Higher initial seed cost • Limited awareness of resistant varieties • Market preference issues in some areas
Assessment of onion varieties for *rabi* season	The improved cultivars under study were better adopted to Raichur weather and provided better yield over local bellary red culivar	Farmers preference for Bellary Red • Market familiarity with traditional variety • Seed cost considerations

4.C3. Details of Successfully completed / concluded technology assessment (support with necessary summary of data and photographs)

1. Title of Technology Assessed	:	Assessment of planting methods in pigeonpea (GRG-811) under rainfed condition
2. Performance of the Technology on specific indicators	:	Wider spacing of 100x100 cm is good for easy field operations like weed management, taking plant protection measures and hence wider spacing is acceptable in getting higher yield (20.80%) compared to farmers practice and on par with UASR,POP
3.Specific Feedback from farmers	:	• Farmers expressed satisfaction with ease of weed management and intercultural operations. • Reduced labour requirement for weeding and plant protection spraying. • Observed better pod formation and plant vigour under wider spacing. • Initial hesitation due to perception of reduced plant population. • Need for availability of suitable seed drill for square planting.
4.Specific Feedback from Extension personnel and other stakeholders	:	• Recommended square planting for better mechanization and resource use efficiency. • Suggested promotion through demonstrations and field days.

		• Emphasized development and supply of appropriate seed drill equipment. • Encouraged inclusion in district-level action plans under rainfed farming systems.
5. Feedback to Research System based on results and feedback received	:	• Develop and standardize cost-effective seed drill suitable for 100 × 100 cm square planting. • Further validation under different soil types and rainfall situations. • Study economic analysis comparing input cost and net returns. • Develop simplified guidelines for farmers on spacing and nutrient management under square planting.
6. Feedback on usefulness and constraints of technology	:	**Usefulness** • Improved yield (20.80% increase over farmers practice) • Better weed and pest management • Suitable for rainfed conditions • Facilitates mechanization **Constraints** • Lack of appropriate seed drill for square planting • Farmers' reluctance to change traditional row planting • Limited awareness about scientific planting geometry • Initial perception of reduced plant population
1. Title of Technology Assessed	:	Assessment of *fusarium* wilt resistant chickpea variety
2. Performance of the Technology on specific indicators	:	• High resistance/tolerance to Fusarium wilt disease • Lower disease incidence compared to local cultivars • Better plant stand and survival percentage • Improved pod formation and grain filling • Higher yield under disease-prone conditions • Reduced need for fungicide application
3.Specific Feedback from farmers	:	• Farmers observed **significantly lower wilt incidence** in demonstration plots. • Better plant vigour and uniform growth compared to local varieties. • Reduced expenditure on plant protection chemicals. • Satisfied with yield performance under moisture stress. • Demand expressed for timely availability of quality seed.
4.Specific Feedback from Extension personnel and other stakeholders	:	• Recommended scaling up the variety in wilt-prone villages. • Emphasized inclusion in district contingency crop planning. • Recommended awareness programmes on seed treatment and disease management practices.

5. Feedback to Research System based on results and feedback received	:	• Need for strengthening breeder and foundation seed supply chain. • Further evaluation under different agro-climatic situations. • Incorporation of multiple disease resistance (wilt + dry root rot). • Development of short-duration wilt-resistant varieties for delayed sowing situations.
6. Feedback on usefulness and constraints of technology	:	**Usefulness** Effective control of Fusarium wilt Stable yield under disease pressure Reduced chemical use and production cost Suitable for rainfed farming systems **Constraints** Farmers preference for traditional market-familiar varieties Lack of awareness about resistant varieties Need for proper seed treatment and crop management practices
1. Title of Technology Assessed	:	Demonstration of leaf curl virus resistant variety in Chilli
2. Performance of the Technology on specific indicators	:	--
3.Specific Feedback from farmers	:	
4.Specific Feedback from Extension personnel and other stakeholders	:	
5. Feedback to Research System based on results and feedback received	:	
6. Feedback on usefulness and constraints of technology	:	
1. Title of Technology Assessed	:	Assessment of onion varieties for *rabi* season
2. Performance of the Technology on specific indicators	:	Among three technology options like Arka bheema, Bheema kiran and farmers practice Arka Bheema Recorded 17.05% more yield than farmer practice
3.Specific Feedback from farmers	:	• Farmers appreciated the **higher yield and uniform bulb size** in Arka Bheema. • Better marketable produce due to attractive bulb colour and size. • Observed good performance under rabi climatic conditions. • Some farmers expressed concern regarding seed availability and cost. • Preference for Bellary Red due to established market demand.

4.Specific Feedback from Extension personnel and other stakeholders	:	• Recommended promotion of Arka Bheema in rabi season through FLDs. • Suggested village-level seed production to ensure timely availability. • Emphasized need for proper nutrient and irrigation management for maximizing yield. • Encouraged awareness programs on improved varieties to reduce dependency on traditional cultivars.
5. Feedback to Research System based on results and feedback received	:	• Strengthen seed supply chain of Arka Bheema and Bheema Kiran. • Conduct further trials on storage behaviour and shelf life. • Develop varieties combining high yield with longer storage capacity. • Provide region-specific recommendations for spacing and fertilizer schedule.
6. Feedback on usefulness and constraints of technology	:	**Usefulness** • 17.05% higher yield over farmers' practice • Better bulb uniformity and size • Higher marketable yield • Suitable for rabi season in Raichur region **Constraints** • Strong farmer preference for Bellary Red variety • Market familiarity with traditional variety • Higher seed cost of improved cultivars • Limited awareness about improved rabi onion varieties

4.D1. Results of Technologies Refined: Nil

Crop/ enterprise	Farming situation	Problem definition	Title of OFT	No. of trials	Technology Refined	Source of technology	Yield	Unit of yield	Observations other than yield	Gross Return Rs. / unit	Net Return Rs. / unit	BC Ratio (Gross income/ Gross Cost)
1	2	3	4	5	6	7	8	9	10	11	12	13

D2. Feedback on technologies refined

Name of technology refined	Useful characters as well as constraints of technology	Socio-economic as well as administrative constraints for its adoption
-	-	-

4.D.2. Details of Technologies refined:

1. Title of Technology Refined
2. Performance of the Technology on specific indicators
3. Specific Feedback from farmers
4. Specific Feedback from Extension personnel and other stakeholders
5. Feedback to Research System based on results/feedback received
6. Feedback on usefulness and constraints of technology

PART V - FRONTLINE DEMONSTRATIONS

5.A. Summary of FLDs implemented

Sl. No.	Category	Farming Situation	Season	Crop	Variety/ breed	Hybrid	Thematic area	Technology Demonstrated	Area (ha)		Farmers (No.)		Farmers (No.)	
									Proposed	Actual	SC/ST	Others	Small/ Marginal	Others
	Oilseeds													
1		Irrigated	*Summer*	Groundnut	TMV-2	-	Integrated Pest and Disease Management	Integrated Pest and Disease Management in Groundnut	4.0	4.0		10		10
2		Rainfed	*Rabi*	Sunflower	-	Private hybrid	Integrated Pest Management	Management of Sunflower necrosis (thrips) and leaf curl (whitefly)	4.0	4.0		10		10
	Pulses													
3		Rainfed	*Kharif*	Pigeonpea	GRG-811	-	Integrated Crop Management	Demonstration of ridge and furrow cultivation in Pigeonpea	4.0	4.0		10		10
4		Rainfed	*Kharif*	Pigeonpea	TS-3R	-	Integrated Pest Management	Integrated Pest Management in Pigeonpea	4.0	4.0		10		10
5		Rainfed	*Rabi*	Chickpea	JG-11	-	Integrated Pest Management	Integrated Management of Helicoverpa armigera in Chickpea	4.0	4.0		10		10
	Cereals													
6		Irrigated	*Kharif*	Paddy	BPT-5204	-	Integrated Pest Management	Integrated management of yellow stem borer and gall midge in Paddy	4.0	4.0		10		10

Sl. No.	Category	Farming Situation	Season	Crop	Variety/ breed	Hybrid	Thematic area	Technology Demonstrated	Area (ha)		Farmers (No.)		Farmers (No.)	
									Proposed	Actual	SC/ST	Others	Small/ Marginal	Others
	Vegetables													
7		Irrigated	*Rabi*	Chilli	-	Syn-2043/Super 10	Integrated Pest and Disease Management	Integrated Pest and Disease (wilt) Management in Chilli	4.0	4.0		10		10
8		Irrigated	*Rabi*	Cucumber	-	Private hybrid	Integrated Nutrient Management	Use of growth regulator (Mepiquat Chloride 5 % AS) for higher productivity in cucumber	2.0	2.0		5		5
9		Irrigated	*Rabi*	Chilli	Byadgi dabbi	-	Integrated Nutrient Management	Demonstration of Arka Microbial Consortia in Chilli	8.0	8.0		20		20
	Flowers													
10		Irrigated	*Summer*	Marigold	-	Private hybrid	Integrated Nutrient Management	Demonstration on application of bio fertilizers and humic acid in marigold for higher productivity	2.0	2.0		5		5
	Fruit													
11		Irrigated	*Rabi*	Mango	Arka Swagath	-	Integrated Nutrient Management	Demonstration of Dolichos Bean cultivation in mango orchard for soil health management	2.0	2.0		5		5
	Fibre													
12		Rainfed	*Kharif*	*Bt* cotton	-	Raasi-929	Integrated Pest Management	Integrated management of Pink bollworm in *Bt* cotton						
	Poultry													
13		-	-	Backyard poultry	Gramapriya	-	Cost Reduction	Demonstration of Improved Backyard poultry "Gramapriya" for doubling of farmers income	10 animals	10 animals		10		10
	Others (specify)													
14		Rainfed	*Rabi*	Cotton Shredder	-	Private hybrid	Cost Reduction	Demonstration of tractor operated cotton shredder for cotton straw management.	4.0	4.0		10		10
15		Irrigated	*Rabi*	Chilli (solar powered Sprayer)	-	Private hybrid	Cost Reduction	Demonstration of remote controlled solar powered sprayer	4.0	4.0		10		10
16		Rainfed	*Rabi*	Pigeonpea (crop mulcher)	TS-3R	-	Cost Reduction	Demonstration of tractor operated multi crop mulcher for crop residue management in pigeon pea	4.0	4.0		10		10
17		Irrigated	*Rabi*	Nutrition Security	IIHR varieties	-	Cost Reduction	Demonstration of Nutri-Farms for Year Round Nutrition Security	2.0	2.0		10		10

5.A. 1. Soil fertility status of FLDs plots, if analyzed

Sl. No.	Category	Farming Situation	Season and Year	Crop	Variety/ breed	Hybrid	Thematic area	Technology Demonstrated	Status of soil			Previous crop grown
									N	P	K	
	Oilseeds											
1		Irrigated	Summer 2026	Groundnut	TMV-2	-	Integrated Pest and Disease Management	Integrated Pest and Disease Management in Groundnut				
2		Rainfed	Rabi-2025	Sunflower	-	Private hybrid	Integrated Pest Management	Management of Sunflower necrosis (thrips) and leaf curl (whitefly)				
	Pulses											
3		Rainfed	Kharif 2025	Pigeonpea	GRG-811	-	Integrated Crop Management	Demonstration of ridge and furrow cultivation in Pigeonpea				
4		Rainfed	Kharif 2025	Pigeonpea	TS-3R	-	Integrated Pest Management	Integrated Pest Management in Pigeonpea				
5		Rainfed	Rabi 2025	Chickpea	JG-11	-	Integrated Pest Management	Integrated Management of *Helicoverpa armigera* in Chickpea				
	Cereals											
6		Irrigated	Kharif 2025	Paddy	BPT-5204	-	Integrated Pest Management	Integrated management of yellow stem borer and gall midge in Paddy				
	Vegetables											
7		Irrigated	Rabi 2025	Chilli	-	Syn-2043/Super 10	Integrated Pest and Disease Management	Integrated Pest and Disease (wilt) Management in Chilli				
8		Irrigated	Rabi 2025	Cucumber	-	Private hybrid	Integrated Nutrient Management	Use of growth regulator (Mepiquat Chloride 5 % AS) for higher productivity in cucumber				
9		Irrigated	Rabi 2025	Chilli	Byadgi dabbi	-	Integrated Nutrient Management	Demonstration of Arka Microbial Consortia in Chilli				
	Flowers											
10		Irrigated	Summer 2026	Marigold	-	Private hybrid	Integrated Nutrient Management	Demonstration on application of bio fertilizers and humic acid in marigold for higher productivity				
	Fruit											
11		Irrigated	Rabi 2025	Mango	Arka Swagath	-	Integrated Nutrient Management	Demonstration of Dolichos Bean cultivation in mango orchard for soil health management				
	Fibre											
12		Rainfed	Kharif 2025	Bt cotton	-	Raasi-929	Integrated Pest Management	Integrated management of Pink bollworm in Bt cotton				
	Poultry											
13		-	-	Backyard poultry	Gramapriya	-	Cost Reduction	Demonstration of Improved Backyard poultry “Gramapriya” for doubling of				

Sl. No.	Category	Farming Situation	Season and Year	Crop	Variety/ breed	Hybrid	Thematic area	Technology Demonstrated	Status of soil			Previous crop grown
									N	P	K	
								farmers income				
	Others (specify)											
14	Mechanization	Rainfed	Rabi 2025	Cotton Shredder	-	Private hybrid	Cost Reduction	Demonstration of tractor operated cotton shredder for cotton straw management.				
15	Mechanization	Irrigated	Rabi 2025	Chilli (solar powered Sprayer)	-	Private hybrid	Cost Reduction	Demonstration of remote controlled solar powered sprayer				
16	Mechanization	Rainfed	Rabi 2025	Pigeonpea (crop mulcher)	TS-3R	-	Cost Reduction	Demonstration of tractor operated multi crop mulcher for crop residue management in pigeon pea				
17	Nutritional security	Irrigated	Rabi 2025	Nutrition Security	IIHR varieties	-	Cost Reduction	Demonstration of Nutri-Farms for Year Round Nutrition Security				

5. B. Results of FLDs

5.B.1. Crops

Crop name	Name of the technology demonstrated	Variety/ Hybrid	Thematic Area	No. of Demo.	Area (ha)	Yield (q/ha)		% Increase	Economics of demonstration (Rs./ha)				Economics of Check (Rs./ha)			
						Demo	Check		COC	Gross Return	Net Return	BCR	COC	Gross Return	Net Return	BCR
Groundnut	Integrated Pest and Disease Management in Groundnut	TMV-2	Integrated Pest and Disease Management	10	4.0	30.13	28.15	7.03	73200	135585	62385	1.85	84500	126675	42175	1.49
Sunflower	Management of Sunflower necrosis (thrips) and leaf curl (whitefly)	Private hybrid	Integrated Pest Management	10	4.0	14.13	12.05	17.26	20800	84780	63980	4.08	27500	72300	44800	2.65
Pigeonpea	Demonstration of ridge and furrow cultivation in Pigeonpea	GRG-811	Integrated Crop Management	10	4.0	13.20	10.20	30	26500	99000	72500	3.73	24000	76500	52500	3.18
Pigeonpea	Integrated Pest Management in Pigeonpea	TS-3R	Integrated Pest Management	10	4.0	13.30	12.25	8.57	37000	99750	62750	2.69	48500	91875	43375	1.89
Chickpea	Integrated Management of *Helicoverpa armigera* in Chickpea	JG-11	Integrated Pest Management	10	4.0	12.50	11.50	8.69	30500	67500	37000	2.21	36700	62100	25400	1.69
Paddy	Integrated management of yellow stem borer and gall midge in Paddy	BPT-5204	Integrated Pest Management	10	4.0	15.4	10.7	31.5	12000	40000	28000	3.3	14000	35000	21000	2.5

Crop name	Name of the technology demonstrated	Variety/ Hybrid	Thematic Area	No. of Demo.	Area (ha)	Yield (q/ha)		% Increase	Economics of demonstration (Rs./ha)				Economics of Check (Rs./ha)			
						Demo	Check		COC	Gross Return	Net Return	BCR	COC	Gross Return	Net Return	BCR
Chilli	Integrated Pest and Disease (wilt) Management in Chilli	Syn-2043/Super 10	Integrated Pest and Disease Management	10	4.0	32.13	29.38	9.36	133700	594405	460705	4.45	185400	543530	358130	2.93
Cucumber	Use of growth regulator (Mepiquat Chloride 5 % AS) for higher productivity in cucumber	Private hybrid	Integrated Nutrient Management	5	2.0	18.2	15.5	17.7	55800	365000	309200	5.5	62750	310000	247250	3.94
Chilli	Demonstration of Arka Microbial Consortia in Chilli	Byadgi dabbi	Integrated Nutrient Management	20	8.0	39.5	32.8	17.38	135000	553000	418000	3.09	152000	462000	310000	2.03
Marigold	Demonstration on application of bio fertilizers and humic acid in marigold for higher productivity	Private hybrid	Integrated Nutrient Management	5	2.0	24.8	20.3	22	152000	942400	790400	5.2	136000	771400	635400	4.67
Mango	Demonstration of Dolichos Bean cultivation in mango orchard for soil health management	Arka Swagath	Integrated Nutrient Management	5	2.0	--	--	--	--	--	--	--	--	--	--	--
Bt-Cotton	Integrated management of Pink bollworm in *Bt* cotton	Raasi-929	Integrated Pest Management	10	4.0	32.63	27.50	18.65	63800	267566	203766	4.19	78500	225500	147000	2.87

* Economics to be worked out based total cost of production per unit area and not on critical inputs alone.

** BCR= GROSS RETURN/GROSS COST

Data on additional parameters other than yield (viz., reduction of percentage in weed/pest/diseases etc.)

Data on other parameters in relation to technology demonstrated		
Parameter with unit	**Demo**	**Check**
Integrated Pest and Disease Management in Groundnut		
% leaf damage at 45 DAS	7.5	18.3
Moths trapped/week	88	--
PDI	2.15	11.25
Yield (q/ha)	30.13	28.15
Management of Sunflower necrosis (thrips) and leaf curl (whitefly)		
Percent Disease Incidence	10.25	25.55
Yield (q/ha)	14.13	12.05
Demonstration of ridge and furrow cultivation in Pigeonpea		
No. of *Helicoverpa* per plant	10	15
% wilt incidence	02	30
Yield (q/ha) & Economics	13.2	10.2
Integrated Pest Management in Pigeonpea		
Pod borer/plant	1.2	2.7
Maruca/Plant (live webs /plant)	1.4	3.3
Damaged pods/plant (% damage)	2.3	6.4
Number of moths(*Helicoverpa*)/trap/week	41	--
Yield (q/ha)	13.30	12.25
Integrated Management of *Helicoverpa armigera* in Chickpea		
Damaged pods/plant (% damage)	3.8	5.7
Number of moths(*Helicoverpa*)/trap/week	15	--
Yield (q/ha)	12.50	11.50
Integrated management of yellow stem borer and gall midge in Paddy		
Galls (%)	08	20
No. of white ear /hill	05	18
Yield (q/ha) & Economics	15.4	10.7
Integrated Pest and Disease (wilt) Management in Chilli		
Affected leaves per plant (murda complex)	5.1	13.30
Black thrips/flower	3.8	15.10
Moth catches in traps (*Spodoptera litura*)	95	--
Wilt(%)	1.3	8.3
Yield (q/ha)	32.13	29.38
Use of growth regulator (Mepiquat Chloride 5 % AS) for higher productivity in cucumber		
Plant height		
No. of male and female flower ratio		
Number of marketable fruits per plant		
Yield (q/ha)	18.5	15.5
Demonstration of Arka Microbial Consortia in Chilli		
Wilt disease incidence at nursery and main field		
Yield (q/ha)	39.5	32.8
Demonstration on application of bio fertilizers and humic acid in marigold for higher productivity		
Plant height		

Data on other parameters in relation to technology demonstrated		
Parameter with unit	**Demo**	**Check**
Plant spread		
Diameter of the flower		
yield (q/ha) and Economics	24.8	20.3
Demonstration of Dolichos Bean cultivation in mango orchard for soil health management		
Yield & Economics		
Integrated management of Pink bollworm in Bt cotton		
No. of rosette flowers / plant	1.2	5.3
No. of larvae present in 20 unopened bolls	1.0	7.4
No. of bad opened bolls per plant	1.8	9.5
Yield (q/ha)	32.63	27.50

Feedback on technologies demonstrated

Name of technology demonstrated	**Useful characters as well as constraints of technology**	**Socio-economic as well as administrative constraints for its adoption**
Integrated Pest and Disease Management in Groundnut	Reduces pest and disease incidence; improves yield and quality; minimizes chemical residues; eco-friendly approach. Requires regular monitoring and technical knowledge.	Farmers prefer quick chemical control; lack of awareness; higher initial management effort.
Management of Sunflower necrosis (thrips) and leaf curl (whitefly)	Reduces vector population; prevents viral spread; improves seed yield and quality. Requires timely spray and monitoring.	Farmers prefer quick chemical control; lack of awareness; higher initial management effort.
Demonstration of ridge and furrow cultivation in Pigeonpea	Ridges and furrow wil help to protect crop from wilt disease during heavy rainfall. Dibbling seeds is the problem	Need extra cost for manual sowing
Integrated Pest Management in Pigeonpea	Reduces pest incidence with combination of biological, cultural and need-based chemical control; lowers pesticide cost; environmentally safe. Requires regular field scouting.	Farmers depend on chemical pesticides for immediate results; lack of knowledge on IPM components.
Integrated Management of *Helicoverpa armigera* in Chickpea	Reduces pod damage; increases marketable yield; promotes use of pheromone traps, NPV and biocontrol agents; reduces pesticide resistance. Requires timely application and monitoring.	Farmers expect quick knock-down effect
Integrated management of yellow stem borer and gall midge in Paddy	Minimizes yield loss; reduces chemical usage; improves grain quality; sustainable pest control through resistant varieties and bio-agents. Requires synchronized community adoption.	Fragmented land holdings; poor coordination among farmers; limited awareness about resistant varieties.
Integrated Pest and Disease (wilt) Management in Chilli	Reduces wilt incidence; improves plant vigor and yield; promotes soil health through bio-agents and crop rotation. Needs proper soil treatment and monitoring.	farmers prefer fungicides; lack of awareness; additional cost for soil treatment.
Use of growth regulator (Mepiquat Chloride 5 % AS) for higher productivity in cucumber	Controls excessive vegetative growth; improves flowering and fruit setting; increases yield and uniformity. Requires correct dosage and timing.	Risk of misuse due to lack of knowledge; limited awareness about growth regulator benefits.
Demonstration of Arka Microbial Consortia in Chilli	Enhances nutrient uptake; improves soil microbial activity; increases yield; reduces chemical fertilizer use. Requires proper storage and application.	Limited availability in local markets; farmers doubtful about immediate visible results; need technical guidance.
Demonstration on application of bio fertilizers and humic acid in marigold for higher productivity	Improves nutrient efficiency; enhances flower yield and quality; improves soil fertility. Requires repeated application.	Higher initial cost; lack of awareness; inconsistent product quality in market
Demonstration of Dolichos Bean cultivation in mango orchard for soil health management	Improves soil fertility through nitrogen fixation; additional income from intercrop; reduces weed growth. Requires proper spacing and	Farmers reluctant to adopt intercropping; fear of competition with main crop.

	management.	
Integrated management of Pink bollworm in *Bt* cotton	Less rosette flowers and badly opened bolls; reduced chemical use leads to cost reduction; delays resistance development; improves yield quality. Requires refuge crop and monitoring.	Farmers need quick results so prefer chemicals; poor compliance with refuge strategy; lack of awareness about resistance management; input supply constraints.

4. B 2. Data on IFS demonstrations including KVK farm demo model: Nil

5.

Name of the IFS technology demonstrated	Name of IFS Components				Total Area (ha)	IFS Yield (q/ha)				Check yield (Mono crop)	% Increase over check	Economics of IFS demonstration (Rs./ha)			Economics of check demonstration (Rs./ha)		
	1	2	3	4		Component wise (Mention name of component and yield parameter)						Gross Return	Net Return	BCR	Gross Return	Net Return	BCR
						1	2	3	4								

Feedback on IFS technologies demonstrated: Nil

Name of IFS technology demonstrated	Useful characters as well as constraints of technology	Socio-economic as well as administrative constraints for its adoption	Number of Activities		No. of farmers benefited	
			Demo	Training	Demo	Training

5. B. 3. Livestock and related enterprises

Type of livestock	Name of the technology demonstrated	Breed	No. of Demo	No. of Units	Total No. Animal	Name of the parameter with unit	Major parameters		% Increase	*Economics of demonstration Rs./unit)			*Economics of check (Rs./unit)		
							Demo	Check		Gross Return	Net Return	** BCR	Gross Return	Net Return	** BCR
Poultry	Demonstration of Improved Backyard poultry "BV 380" for doubling of farmers income	BV 380	10		100	Yet to distribute									

* Economics to be worked out based total cost of production per unit area and not on critical inputs alone.
** BCR= Gross Return/Gross Cost

Data on additional parameters other than yield (viz., reduction of percentage diseases, increase in conceiving rate, inter-calving period etc.)

Data on other parameters in relation to technology demonstrated		
Parameter with unit	**Demo**	**Check if any**
Demonstration of Improved Backyard poultry bird "BV 380" for doubling of farmers income		
Survival %	Yet to distribute	
Egg production /year/ bird		
B:C ratio		

5. B 4. Feedback on livestock technologies demonstrated

Name of livestock technology demonstrated	Useful characters as well as constraints of technology	Socio-economic as well as administrative constraints for its adoption
Demonstration of Improved Backyard poultry bird "BV 380" for doubling of farmers income		

5.B. 5. Fisheries : Nil

Type of Breed	Name of the technology demonstrated	Breed	No. of Demo	No. of Units	Total No of fingerlings	Name of the parameter with unit	Major parameters		% Increase	*Economics of demonstration Rs./unit)			*Economics of check (Rs./unit)		
							Demo	Check		Gross Return	Net Return	** BCR	Gross Return	Net Return	** BCR

* Economics to be worked out based total cost of production per unit area and not on critical inputs alone.
** BCR= GROSS RETURN/GROSS COST
H-High L-Low, A-Average

Data on additional parameters other than yield (viz., reduction of percentage diseases, effective use of land etc.)

Data on other parameters in relation to technology demonstrated		
Parameter with unit	Demo	Check if any

5. B6. Feedback on fisheries technologies demonstrated

Name of fisheries technology demonstrated	Useful characters as well as constraints of technology	Socio-economic as well as administrative constraints for its adoption

5.B. 7. Other enterprises: Nil

Enterprise	Name of the technology demonstrated	Variety/ species	No. of Demo	Size of unit {m^2}	Total no of units	Name of the parameter with unit	Major parameters		% Increase	*Economics of demonstration (Rs./unit) or (Rs./m2)			*Economics of check (Rs./unit) or (Rs./m2)		
							Demo	Check		Gross Return	Net Return	** BCR	Gross Return	Net Return	** BCR
Others (pl.specify)															

* Economics to be worked out based total cost of production per unit area and not on critical inputs alone.
** BCR= Gross Return/Gross Cost
H-High L-Low, A-Average

Data on additional parameters other than yield (viz., additional income realized, employment generation, quantum of farm resources recycled etc.)

Data on other parameters in relation to technology demonstrated		
Parameter with unit	Demo	Local

5. B8. Feedback on enterprises demonstrated

Name of enterprise demonstrated	Useful characters as well as constraints of technology	Socio-economic as well as administrative constraints for its adoption

5.B.9. Farm implements and machinery

Name of the implement	Cost of the implement in Rs.	Name of the technology demonstrated	No. of Demo	Area covered under demo in ha	Name of the operation with unit	Labour requirement in Man days		% save	Savings in labour (Rs./ha)	*Economics of demonstration (Rs./ha)			*Economics of check (Rs./ha)		
						Demo	Check			Cost incurred	Net Return	** BCR	Cost incurred	Net Return	** BCR
Cotton Shredder		Demonstration of tractor operated cotton shredder for cotton straw management.	10	4.0	Cutting and uprooting of cotton straw	01	13		6000	2350			5200		
Chilli (solar powered Sprayer)		Demonstration of remote controlled solar powered sprayer	10	4.0	Ongoing (**Training conducted on use of Solar powered equipments in Agriculture**)										
Pigeonpea (crop mulcher)		Demonstration of tractor operated multi crop mulcher for crop residue management in pigeon pea	10	4.0	Cutting and mulching of crop stubbles	01	13		6000	2200			5200		

* Economics to be worked out based total cost of production per unit area and not on critical inputs alone.

** BCR= Gross Return/Gross Cost

***Result of Demonstration of tractor operated cotton shredder for cotton straw management.**

Sl. No.	Particulars	Working hours (h/ha)		Total Labour Required/ha		Cost Involved/ha (Rs.)	
		Demo	Check	Demo	Check	Demo	Check
01.	Cutting and uprooting of cotton straw	01	08	01	08	2340.00 (10 litre*94 Rs/lit) + Machine Hiring charges Rs.1400)	2000.00
02.	Collection and Burning of cotton straw	-	05	-	05		1250.00
03.	To cover one hectare of area	01	08	01	08		2000.00
					Total	**2340.00**	**5250.00**

**** Result of Demonstration of tractor operated multi crop mulcher for crop residue management in pigeon pea**

Sl. No.	Particulars	Working hours (h/ha)		Total Labour Required/ha		Cost Involved/ha (Rs.)	
		Demo	Check	Demo	Check	Demo	Check
01.	Cutting and uprooting of pigeon pea stalks	01	08	01	08	2340.00 (10 litre*94 Rs/lit) + Machine Hiring charges Rs.1400)	2000.00
02.	Collection and Burning of pigeon pea stalks	-	05	-	05		1250.00
03.	To cover one hectare of area	01	08	01	08		2000.00
					Total	**2340.00**	**5250.00**

Data on additional parameters other than labour saved (viz., reduction in drudgery, time etc.)

Data on other parameters in relation to technology demonstrated		
Parameter with unit	**Demo**	**Local**
Demonstration of tractor operated cotton shredder for cotton straw management.		
Time saving		
Cost analysis		

Demonstration of remote controlled solar powered sprayer		
Field capacity.		
Time saving.		
labour saving.		
Economics.		
Demonstration of tractor operated multi crop mulcher for crop residue management in pigeon pea		
Time saving		
Economics		
Labour saving		

5. B10. Feedback on farm implements demonstrated

Name of farm implement demonstrated	Useful characters as well as constraints of technology	Socio-economic as well as administrative constraints for its adoption
Demonstration of tractor operated cotton shredder for cotton straw management.	• Along with cost saving it adds nutrient and organic carbon to soil • Its time saving and labour saving technology • Controls pink bollworm	• High initial investment • Small and marginal farmers lack tractor access • Limited custom hiring centres • Awareness gap about residue management benefits
Demonstration of remote controlled solar powered sprayer	• Reduces human exposure to chemicals • Solar powered – reduces fuel cost • Uniform spray coverage • Labour saving and operator friendly	• Higher initial cost compared to manual sprayer • Limited awareness • Availability issues in rural markets • Repair and servicing constraints
Demonstration of tractor operated multi crop mulcher for crop residue management in pigeon pea	• Along with cost saving it adds nutrient and organic carbon to soil • Its time saving and labour saving technology • Environmental protection	• High capital investment • Lack of custom hiring facilities • Small land holdings limit adoption • Limited awareness about long-term soil health benefits

5. B. 11.Extension and Training activities under FLD

Sl. No.	Activity	No. of activities organized	Number of participants	Remarks
1	Field days	20	3850	-
2	Farmers Training	78	2180	
3	Media coverage	250	--	
4	Training for extension functionaries	16	480	
5	Method Demonstration	25	780	

5. C. Women and children empowerment programme conducted

Category	Name of the programme	No of programmes	No of Participants
Women	Awareness programmes	05	230
	Coconut tree climbing	--	--
	Drudgery Reduction	02	55
	Enterprises	10	410
	Farming System	05	70

	Health and nutrition	04	300
	Kitchen Garden	12	620
	Nutrigarden	06	230
	Storage Technique	03	53
	Value addition	04	200
	Women Empowerment	07	280
	Others	15	640
	Total	68	2980
Children	Health	04	320
	Others	03	280
	Total	07	600
Grand Total		**75**	**3580**

PART VI – DEMONSTRATIONS ON CROP HYBRIDS

6.1 Demonstration details on crop hybrids

Crop name	Name of the hybrid	No. of Demo	Area (ha)	Yield (q/ha)		% Increase	*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
				Demo	Check		COC	Gross Return	Net Return	** BCR	COC	Gross Return	Net Return	** BCR
Sunflower	RFSH 700	10	4.0											
Total														

*Please ensure that the name of the hybrid is correct pertaining to the crop specified

6.2 Feedback on crop hybrids demonstrated

Name of crop hybrid demonstrated	Useful characters as well as constraints of technology	Socio-economic as well as administrative constraints for its adoption

PART VII. Capacity Development

7.A. Capacity Development of Farmers and Farm Women (On campus)

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Crop Production										
Weed Management	1	20		20	5		5	35		35
Resource Conservation Technologies										
Cropping Systems	2	55		55	5		5	60		60
Crop Diversification										
Integrated Farming										
Micro Irrigation/Irrigation	2	40		40	5		5	45		45
Seed production	1	35		35	10		10	45		45
Nursery management	1	25		25	5		5	30		30
Integrated Crop Management	3	65		65	10		10	75		75
Soil and Water Conservation	1	30		30	5		5	35		35
Integrated Nutrient Management	4	80		80	20		20	100		100
Production of organic inputs	1	20		20	5		5	25		25
Horticulture										
a) Vegetable Crops										
Production of low value and high volume crop										
Off-season vegetables										
Nursery raising										
Exotic vegetables	2	45		45	5		5	50		50
Export potential vegetables										
Grading and standardization										
Protective cultivation	1	30		30	5		5	35		35
b) Fruits										
Training and Pruning										
Layout and Management of Orchards	1	20		20	8		8	28		28
Cultivation of Fruit	1	30		30	10		10	40		40
Management of young plants/orchards										
Rejuvenation of old orchards	1	20		20	8		8	28		28
Export potential fruits										
Micro irrigation systems of orchards										
Plant propagation techniques										
c) Ornamental Plants										
Nursery Management										
Management of potted plants										
Export potential of ornamental plants										
Propagation techniques of Ornamental Plants										
d) Plantation crops										
Production and Management technology										
Processing and value addition	1	30		30	5		5	35		35
e) Tuber crops	1	30		30	5		5	35		35
Production and Management technology										
Processing and value addition										
f) Spices										
Production and Management technology										
Processing and value addition										
Others (pl.specify)										
g) Medicinal and Aromatic Plants										
Nursery management										
Production and management technology										
Post harvest technology and value addition										
Soil Health and Fertility Management										
Soil fertility management										
Integrated water management										
Integrated nutrient management										
Production and use of organic inputs										
Management of Problematic soils	2	55		55	10		10	65		65
Micro nutrient deficiency in crops										
Nutrient use efficiency	2	65		65	5		5	70		70

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Balanced use of fertilizers										
Soil and water testing										
Livestock Production and Management	1	20		20				20		20
Dairy Management										
Poultry Management										
Piggery Management										
Rabbit Management										
Animal Nutrition Management										
Animal Disease Management	5	105	10	115	35	05	40	140	15	155
Feed and Fodder technology	1	20	15	35	40	4	44	60	19	79
Production of quality animal products										
Home Science/Women empowerment										
Household food security by kitchen gardening and nutrition gardening	6	78	12	90	53	7	60	131	19	150
Design and development of low/minimum cost diet										
Designing and development for high nutrient efficiency diet	3	35	21	56	20	17	37	55	38	93
Minimization of nutrient loss in processing	2	49	26	75	30	25	55	79	51	130
Processing and cooking	2	49	26	75	30	25	55	79	51	130
Gender mainstreaming through SHGs										
Storage loss minimization techniques										
Value addition										
Women empowerment	1	10	25	35		10	10	10	35	45
Location specific drudgery production	1	10	20	30		5	5	10	25	35
Rural Crafts										
Women and child care										
Agril. Engineering										
Farm machinery and its maintenance	2	49	26	75	30	25	55	79	51	130
Installation and maintenance of micro irrigation systems	2	49	26	75	30	25	55	79	51	130
Use of Plastics in farming practices										
Production of small tools and implements										
Repair and maintenance of farm machinery and implements										
Small scale processing and value addition										
Post Harvest Technology										
Plant Protection										
Integrated Pest Management	2	60		60	25		25	85		85
Integrated Disease Management	2	55		55	20		20	75		75
Bio-control of pests and diseases	6	78	12	90	53	7	60	131	19	150
Production of bio control agents and bio pesticides	2	45		45	5		5	50		50
Fisheries										
Integrated fish farming										
Carp breeding and hatchery management										
Carp fry and fingerling rearing										
Composite fish culture										
Hatchery management and culture of freshwater prawn										
Breeding and culture of ornamental fishes										
Portable plastic carp hatchery										
Pen culture of fish and prawn										
Shrimp farming										
Edible oyster farming										
Pearl culture										
Fish processing and value addition										
Others (pl.specify)										
Production of Inputs at site										
Seed Production										
Planting material production										
Bio-agents production										
Bio-pesticides production										

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Bio-fertilizer production										
Vermi-compost production										
Organic manures production										
Production of fry and fingerlings										
Production of Bee-colonies and wax sheets										
Small tools and implements										
Production of livestock feed and fodder	01	30		30	12		12	42		42
Production of Fish feed										
Mushroom production										
Apiculture	01	40		40	15		15	55		55
CapacityBuilding and Group Dynamics										
Leadership development										
Group dynamics										
Formation and Management of SHGs										
Mobilization of social capital										
Entrepreneurial development of farmers/youths										
WTO and IPR issues										
Agro-forestry										
Production technologies	1	5	25	30				5	25	30
Nursery management										
Integrated Farming Systems										
TOTAL	**69**	**1482**	**244**	**1726**	**529**	**155**	**684**	**2021**	**399**	**2420**

7.B Capacity Development of Farmers and Farm Women (Off campus)

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Crop Production										
Weed Management	2	50		50				2	50	50
Resource Conservation Technologies										
Cropping Systems										
Crop Diversification	1	25		25				25		25
Integrated Farming	2	45	5	50				45	5	50
Micro Irrigation/Irrigation										
Seed production	2	45	10	55				45	10	55
Nursery management										
Integrated Crop Management										
Soil and Water Conservation	3	55	5	60				55	5	60
Integrated Nutrient Management	1	30		30				30		30
Production of organic inputs	1	20	10	30				20	10	30
Horticulture										
a) Vegetable Crops										
Production of low value and high volume crop										
Off-season vegetables										
Nursery raising	1	30		30				30		30
Exotic vegetables	2	55		55				55		55
Export potential vegetables										
Grading and standardization										
Protective cultivation										
b) Fruits	1	35		35				35		35
Training and Pruning										
Layout and Management of Orchards										
Cultivation of Fruit	2	50	10	60				50	10	60
Management of young plants/orchards										
Rejuvenation of old orchards	1	20		20				20		20
Export potential fruits										
Micro irrigation systems of orchards										
Plant propagation techniques										
c) Ornamental Plants	1	40		40				40		40
Nursery Management										
Management of potted plants										

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Export potential of ornamental plants										
Propagation techniques of Ornamental Plants										
d) Plantation crops										
Production and Management technology										
Processing and value addition										
e) Tuber crops										
Production and Management technology										
Processing and value addition										
f) Spices										
Production and Management technology										
Processing and value addition										
g) Medicinal and Aromatic Plants										
Nursery management										
Production and management technology										
Post harvest technology and value addition										
Soil Health and Fertility Management										
Soil fertility management										
Integrated water management										
Integrated nutrient management										
Production and use of organic inputs										
Management of Problematic soils										
Micro nutrient deficiency in crops										
Nutrient use efficiency										
Balanced use of fertilizers										
Soil and water testing	3	60		60				60		60
Livestock Production and Management										
Dairy Management	3	60	10	70				60	10	70
Poultry Management										
Piggery Management	2	40	5	45				40	5	45
Rabbit Management	2	55	10	65				55	10	65
Animal Nutrition Management										
Animal Disease Management	2	40	10	50				40	10	50
Feed and Fodder technology	3	75		75				75		75
Production of quality animal products										
Home Science/Women empowerment										
Household food security by kitchen gardening and nutrition gardening	30	590	40	630	760	70	830	1350	110	1460
Design and development of low/minimum cost diet	1	30	10	40				30	10	40
Designing and development for high nutrient efficiency diet										
Minimization of nutrient loss in processing										
Processing and cooking										
Gender mainstreaming through SHGs	20	480	80	560	290	80	370	770	160	930
Storage loss minimization techniques										
Value addition										
Women empowerment										
Location specific drudgery production										
Rural Crafts	3	20	50	70				20	50	70
Women and child care										
Agril. Engineering										
Farm machinery and its maintenance	1	10	30	40				10	30	40
Installation and maintenance of micro irrigation systems	1	10	30	40				10	30	40
Use of Plastics in farming practices										
Production of small tools and implements										
Repair and maintenance of farm machinery and implements	2	30	35	65				30	35	65
Small scale processing and value addition										
Post Harvest Technology										
Plant Protection										

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Integrated Pest Management	2	20	40	60				20	40	60
Integrated Disease Management	3	80		80				80		80
Bio-control of pests and diseases	2	50		50				50		50
Production of bio control agents and bio pesticides	15	430	100	530	210	40	250	640	140	780
Fisheries										
Integrated fish farming										
Carp breeding and hatchery management										
Carp fry and fingerling rearing										
Composite fish culture										
Hatchery management and culture of freshwater prawn										
Breeding and culture of ornamental fishes										
Portable plastic carp hatchery										
Pen culture of fish and prawn										
Shrimp farming										
Edible oyster farming										
Pearl culture										
Fish processing and value addition										
Production of Inputs at site										
Seed Production	1	20		20				20		20
Planting material production										
Bio-agents production										
Bio-pesticides production										
Bio-fertilizer production										
Vermi-compost production	1		25	25					25	25
Organic manures production										
Production of fry and fingerlings										
Production of Bee-colonies and wax sheets										
Small tools and implements										
Production of livestock feed and fodder										
Production of Fish feed										
Mushroom production										
Apiculture										
Capacity Building and Group Dynamics										
Leadership development										
Group dynamics										
Formation and Management of SHGs										
Mobilization of social capital										
Entrepreneurial development of farmers/youths										
Agro-forestry										
Production technologies										
Nursery management										
Integrated Farming Systems										
TOTAL	**117**	**2600**	**515**	**3115**	**1260**	**190**	**1450**	**3812**	**755**	**4565**

7.C. Capacity Development of Rural Youth (on campus)

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Nursery Management of Horticulture crops										
Training and pruning of orchards										
Protected cultivation of vegetable crops										
Commercial fruit production										
Integrated farming	1	5	20	25				5	20	25
Seed production	1	5	20	25				5	20	25
Production of organic inputs										
Planting material production										
Vermi-culture	2									95
Mushroom Production										
Bee-keeping	1	5	20	25				5	20	25

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Sericulture										
Repair and maintenance of farm machinery and implements	1	5	20	25				5	20	25
Value addition	1	5	20	25				5	20	25
Small scale processing	1	5	20	25				5	20	25
Post Harvest Technology										
Tailoring and Stitching										
Rural Crafts	1	5	20	25				5	20	25
Production of quality animal products	2									95
Dairying										
Sheep and goat rearing	5									140
Quail farming										
Piggery										
Rabbit farming										
Poultry production										
Ornamental fisheries										
Composite fish culture										
Freshwater prawn culture										
Shrimp farming										
Pearl culture										
Fish harvest and processing technology										
Fry and fingerling rearing										
TOTAL	**16**	**35**	**140**	**175**				**35**	**140**	**505**

7.D. Capacity Development for Rural Youth (off campus)

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Nursery Management of Horticulture crops										
Training and pruning of orchards										
Protected cultivation of vegetable crops										
Commercial fruit production										
Integrated farming	2	35	15	50				35	15	50
Seed production										
Production of organic inputs										
Planting material production										
Vermi-culture	2	35	15	50				35	15	50
Mushroom Production										
Bee-keeping	2	35	15	50				35	15	50
Sericulture										
Repair and maintenance of farm machinery and implements										
Value addition										
Small scale processing										
Post Harvest Technology										
Tailoring and Stitching	2	35	15	50				35	15	50
Rural Crafts										
Production of quality animal products										
Dairying	6									180
Sheep and goat rearing	8									210
Quail farming										
Piggery										
Rabbit farming										
Poultry production										
Ornamental fisheries										
Composite fish culture										
Freshwater prawn culture										
Shrimp farming										
Pearl culture										
Fish harvest and processing technology										
Fry and fingerling rearing										
TOTAL	**22**	**140**	**60**	**200**				**140**	**60**	**590**

7.E. Capacity Development programs for Extension Personnel (on campus)

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Productivity enhancement in field crops	2	59		59		3	3	59	3	62
Integrated Pest Management										
Integrated Nutrient management										
Rejuvenation of old orchards										
Protected cultivation technology										
Production and use of organic inputs	1	30		30				30		30
Care and maintenance of farm machinery and implements										
Gender mainstreaming through SHGs										
Formation and Management of SHGs										
Women and Child care	1	102		102	20	8	28	122	8	130
Low cost and nutrient efficient diet designing										
Group Dynamics and farmers organization	1	50	8	58				50	8	58
Information networking among farmers										
Capacity building for ICT application	5	111		111		8	8	111	8	119
Management in farm animals	6	356		356		8	8	356	8	364
Livestock feed and fodder production	1	100	20	120	20	20	40	120	40	160
Household food security	2		35	35						35
Any other (pl.specify)	1	40		40				40		40
Total	**20**	**848**	**63**	**911**	**40**	**47**	**87**	**888**	**75**	**998**

7.F. Capacity Development programs for Extension Personnel (off campus)

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Productivity enhancement in field crops	1	50	8	58				50	8	58
Integrated Pest Management										
Integrated Nutrient management	5	111		111		8	8	111	8	119
Rejuvenation of old orchards	6	356		356		8	8	356	8	364
Protected cultivation technology	1	100	20	120	20	20	40	120	40	160
Production and use of organic inputs										
Care and maintenance of farm machinery and implements										
Gender mainstreaming through SHGs										
Formation and Management of SHGs										
Women and Child care										
Low cost and nutrient efficient diet designing										
Group Dynamics and farmers organization										
Information networking among farmers										
Capacity building for ICT application										
Management in farm animals										
Livestock feed and fodder production										
Household food security										
Any other (pl.specify)										
Total	**13**	**617**	**28**	**645**	**20**	**36**	**56**	**637**	**64**	**701**

7.G. Sponsored training programmes conducted

S.No.	Area of training	No. of Courses	No. of Participants								
			General			SC/ST			Grand Total		
			Male	Female	Total	Male	Female	Total	Male	Female	Total
1	**Crop production and management**										
1.a.	Increasing production and productivity of crops	3	85		85	8		8	93		93
1.b.	Commercial production of vegetables	3	150		150				150		150
2	**Production and value addition**										
2.a.	Fruit Plants										
2.b.	Ornamental plants										
2.c.	Spices crops										
3.	**Soil health and fertility management**										
4	**Production of Inputs at site**										
5	**Methods of protective cultivation**										
6	**Others (pl.specify)**										
7	**Post harvest technology and value addition**										
7.a.	Processing and value addition	1					53	53		53	53
7.b.	Others (pl.specify)										
8	**Farm machinery**										
8.a.	Farm machinery, tools and implements	1		38	38		5	5		43	43
8.b.	Others (pl.specify)										
9.	**Livestock and fisheries**										
10	**Livestock production and management**										
10.a.	Animal Nutrition Management	2		220	220					220	220
10.b.	Animal Disease Management										
10.c	Fisheries Nutrition										
10.d	Fisheries Management										
10.e.	Others (pl.specify)										
11.	**Home Science**										
11.a.	Household nutritional security	1		53	53					53	53
11.b.	Economic empowerment of women	1		40	40					40	40
11.c.	Drudgery reduction of women										
11.d.	Others (pl.specify)										
12	**Agricultural Extension**										
12.a.	CapacityBuilding and Group Dynamics	10	300	85	385				300	85	385
12.b.	Others (pl.specify)										
	Total	**22**	**535**	**436**	**971**	**8**	**58**	**66**	**543**	**494**	**1037**

Details of sponsoring agencies involved

1. KSDA
2. NABARD
3. ICAR-IIHR
4. ICAR-NDRI
5. CICR-NAGPUR
6. ISAP
7. RKVY
8. KMF
9. ATMA
10. SEVA
11. ICRISAT
12. SAMETI
13. Watershed Dept.
14. Horticulture Dept
15. IFFCO
16. DHANUKA
17. COROMANDEL
18. SVYM

7.H. Details of Vocational Training Programmes carried out by KVKs for rural youth

S.No.	Area of training	No. of Courses	No. of Participants								
			General			SC/ST			Grand Total		
			Male	Female	Total	Male	Female	Total	Male	Female	Total
1	**Crop production and management**										
1.a.	Commercial floriculture										
1.b.	Commercial fruit production										
1.c.	Commercial vegetable production										
1.d.	Integrated crop management	1	30	-	30	-	-	-	30	-	30
1.e.	Organic farming										
1.f.	Others (pl.specify)										
2	**Post harvest technology and value addition**										
2.a.	Value addition										
2.b.	Others (pl.specify)										
3.	**Livestock and fisheries**	1	30	-	30	5	-	5	35	-	35
3.a.	Dairy farming										
3.b.	Composite fish culture										
3.c.	Sheep and goat rearing										
3.d.	Piggery										
3.e.	Poultry farming										
3.f.	Others (pl.specify)										
4.	**Income generation activities**										
4.a.	Vermi-composting										
4.b.	Production of bio-agents, bio-pesticides, bio-fertilizers etc.										
4.c.	Repair and maintenance of farm machinery and implements										
4.d.	Rural Crafts										
4.e.	Seed production	1	20	-	20	10	-	10	30	-	30
4.f.	Sericulture										
4.g.	Mushroom cultivation	1	25	-	25	12	-	12	37	-	37
4.h.	Nursery, grafting etc.										
4.i.	Tailoring, stitching, embroidery, dying etc.										
4.j.	Agril. para-workers, para-vet training										
4.k.	Others (pl.specify)										
5	**Agricultural Extension**										
5.a.	Capacity building and group dynamics										
5.b.	Others (pl.specify)										
	Grand Total	**4**	**105**		**105**	**27**		**27**	**132**		**132**

7.F. Details of Skill Training Programmes carried out by KVKs under ASCI

i. Short Term Training (STT):Nil

S. No.	Name of Job Role	Date of Start	Date of Close	Total Participants	No. of Participants									Date of Assessment	No of Participants passed assessment
					General			SC/ST			Grand Total				
					Male	Female	Total	Male	Female	Total	Male	Female	Total		
1															

ii. Recognition of Prior Learning (RPL) :Nil

S. No.	Name of Job Role	Date of Start	Date of Close	Total Participants	No. of Participants									Date of Assessment	No of Participants passed assessment
					General			SC/ST			Grand Total				
					Male	Female	Total	Male	Female	Total	Male	Female	Total		
1															

PART VIII – EXTENSION ACTIVITIES

8.1. Extension Programmes (including extension activities undertaken in FLD programmes)

Nature of Extension Programme	No. of Programmes	No. of Participants (General)			No. of Participants SC / ST			No.of extension personnel		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Field Day	25	340	40	380	250	20	270	10	2	12
KisanMela	05	1200	500	1700	2000	300	2300	350		350
KisanGhosthi	16	40	10	50	60	20	80	5	2	7
Exhibition	08	800	200	1000	1400	100	1500	55	2	57
Film Show	40	320	15	335	215	20	235	8	3	11
Method Demonstrations	32	240	40	280	150	20	170	5	2	7
Farmers Seminar	18	90		90	15		15	8	3	11
Workshop	30	105	10	115	45	5	50	8	2	10
Group meetings	22	55	13	68	97	15	112	8		8
Lectures delivered as resource persons	180	260	40	300	180	15	195	10	2	12
Newspaper coverage	730									
Radio talks	12									
TV talks	18									
Popular articles	18									
Extension Literature	20									
Advisory Services	1480	380	15	395	260	15	275	5	2	7
Scientific visit to farmers field	105	50	6	56	40	4	44	03	02	5
Farmers visit to KVK	680	80		80	30		30	8	2	10
Diagnostic visits	16	40	10	50	60	20	80	5	2	7
Exposure visits	3	80	10	90	30	5	35	3	2	5
Ex-trainees Sammelan										
Soil health Camp	9	650	80	730	280	40	320	15	5	20
Animal Health Camp	3	10	75	85	6	40	46	2	7	9
Agri mobile clinic	8	650	80	730	350	40	390	15	6	21
Soil test campaigns	8	135	15	150	155	15	170	5		5
Farm Science Club Conveners meet	1	90		90	15		15	8	3	11
Self Help Group Conveners meetings	3	10	75	85	6	40	46	2	7	9
MahilaMandals Conveners meetings	-	-	-	-	-	-	-	-	-	-
Celebration of important days (specify)	8	650	80	730	350	40	390	15	6	21
Any Other (Specify) Bi monthly work shop	4	35	2	37	18		18	15	6	21
	1834	**5180**	**1101**	**6281**	**5516**	**664**	**6180**	**551**	**55**	**606**

Celebration of important days

Nature of Extension Programme	Date(s) conducted	No. of farmers (General)			No. of farmers SC / ST			No.of extension personnel		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Voting Awareness	01.04.2025	15	8	23	11	0	11	3	3	6
World Milk Day	17.05.2025	45	0	45	-	-	-	2	-	2
World Honey Bee Day	20.05.2025	55	0	55	-	-	-	1	-	1
World Environment Day	05.06.2025	72	8	80	32	4	36	4	2	6
International Yoga Day	21.06.2025	210	35	245	45	5	50	6	2	8
ICAR Foundation Day	16.07.2025	110	10	125	60	15	75	6	3	9
National Horticulture Day	08.08.2025	110	10	125	60	15	75	6	3	9
Independence Day	15.08.2025	170	45	215	35	12	47	8	6	14
Parthenium eradication campaign	20.08.2025	45	4	49	28	3	31	2	2	4
Swachhta Hi Seva campaign 2024	16.09.2025 to	40	12	52	29	8	37	5	3	8

Nature of Extension Programme	Date(s) conducted	No. of farmers (General)			No. of farmers SC / ST			No.of extension personnel		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
	02.10.2025									
Hyderabad-Karnataka liberation day	17.09.2025	170	45	215	35	12	47	8	6	14
World soil health Day	05.12.2025	108	5	95	15	2	17	6	4	10
World Farmer Day	23.12.2025	48	28	76	8	9	17	4	1	5

8.2 Other extension activities like print and electronic media etc.

Sl. No.	Type of media/activity	Number of activities/Number
1	Popular articles	15
2	Newspaper coverage	730
3	Extension Literature	25
4	Radio Talks	30
5	TV Talks	20
6	CD/DVD/Video clips	10
7	Animal health camps (no. of animal treated)	0
8	Others, please specify	20
	Total	**850**

PART IX – PRODUCTION OF SEED, PLANT AND LIVESTOCK MATERIAL

9.A. Production of seeds by the KVKs

Crop category	Name of the crop	Name of the Variety	Quantity of seed (q)	Value (Rs)	Number of farmers to whom provided
Cereals (crop wise)					
Oilseeds	Safflower	ISF-764	Crop yet harvest stage		
Pulses	Pigeon pea	TS-3R	4	40000	
	Chickpea	JG-11	17	130000	
Commercial crops					
Vegetables					
Flower crops					
Spices					
Fodder crop seeds					
Fiber crops					
Forest Species					
Others (specify)					
Total			**21**	**170000**	

9.B. Production of hybrid seeds by the KVKs

Crop category	Name of crop	Name of the hybrid	Quantity of seed (q)	Value (Rs)	Number of farmers to whom provided
Total					

9.C. Production of planting material by the KVKs

Crop category	Name of the crop	Variety	Number	Value (Rs.)	Number of farmers to whom provided
Commercial					
Vegetable seedlings					
Fruits					
Ornamental plants					
Medicinal and Aromatic					
Plantation					
Spices					
Tuber					
Fodder crop saplings					
Forest Species					
Others(specify)					
Total					

9.D. Production of hybrid planting materials by the KVKs : NIL

Crop category	Name of crop	Name of the hybrid	Quantity of seed (q)	Value (Rs)	Number of farmers to whom provided
Total					

9.C. Production of Bio-Products: NIL

Bio Products	Name of the bio-product	Quantity (q)	Value (Rs.)	Number of farmers to whom provided
Bio Fertilizers				
Bio-pesticide				
Bio-fungicide				
Bio Agents				
Others (specify)				
Total				

9.D. Production of livestock: NIL

Particulars of Livestock	Name of the breed	Number	Value (Rs.)	Number of farmers to whom provided
Dairy animals				
Cows				
Buffaloes				
Calves				
Others (Pl. specify)				
Poultry				
Broilers				
Layers				
Duals (broiler and layer)				
Japanese Quail				
Turkey				
Emu				
Ducks				
Others (Pl. specify)				
Piggery				
Piglet				
Others (Pl.specify)				
Fisheries				
Fingerlings				
Others (Pl. specify)				
Total				

PART X – PUBLICATIONS, SUCCESS STORY, INNOVATIVE METHODOLOGY, ITK, TECHNOLOGY WEEK

10. A. Literature Published

(i) Summary of published

Item	Number
No. of papers in journals having NAAS Score < 6	05
No. of papers in journals having NAAS Score > 6	0
No. of Technical reports	05
No. of Technical bulletins	01
No. of Popular articles - English	0
No. of Popular articles – Local language	05
No. of Extension literature	20

(ii) Details of Literature published (provide details only on Research articles)

Please provide the details of publications (Research articles only) in the following format:

1. Research articles in journals: Complete citation indicating authors, year of publication, title of publication, journal name, volume and page number in sequence.

   Example: Gupta B., Kher S. K., & Nain, M. S. (2013). Entrepreneurial behaviour and constraints encountered by dairy and poultry entrepreneurs in Jammu Division of J&K State. *Indian Journal of Extension Education*, 49(3): 126-129

10.B. Details of Electronic Media Produced

S. No.	**Type of media**	**Title**	**Details**
1	CD / DVD	-	-
2	Mobile Apps	-	-
3	Social media groups with KVK as Admin	1. Whatsapp Group (12 No.) 2. Telegram Group 3. Face book 4. Instagram 5. Twitter YouTube Channel	KVK has formed 12 Whatsapp groups pertaining crop and village specific groups. KVK has its own YouTube channel where farmers are facilitated to have a glance at recent technologies uploaded in the channel.
4	Facebook account name	KVK Raichur (Profile) ICAR-Krishi Vigyan Kendra Raichur (Page)	KVK happenings/ Meetings/ Workshops/ Major events
5	Instagram account name	KVKRaichur	KVK happenings/ Meetings/ Workshops/ Major events
6	Twitter account name	ICAR-Krishi Vigyan Kendra Raichur (IcarRaichur)	-
	YouTube channel name	ICAR-Krishi Vigyan Kendra Raichur	
	Website	**www.kvkraichur.org**	**Up dated till date**

10.C. Success Stories / Case studies, if any (two/three-pages write-up on each case with suitable action photographs. The Success Stories / Case Studies need not be restricted to the reporting period).

This will be considered only with suitable photos for further reporting/reference.

The Broad outline for the case study may be

Title:

Background

Interventions
Process

Technology
Output and outcome
Impact
Horizontal Spread
Economic gains
Employment Generation

Photos

Photo	**Photo**
Title	**Title**
Photo	**Photo**
Title	**Title**

10.D. Give details of Innovative Methodology or Innovative Approach of Transfer of Technology developed and used during the year:NIL

10.E. Give details of Indigenous Technical Knowledge practiced by the farmers in the KVK operational area which can be considered for technology development (in detail with suitable photographs) : NIL

S. No.	Crop / Enterprise	ITK Practiced	Purpose of ITK	Scientific Rationale

10 F. Technology Week celebration: NIL

Period of observing Technology Week: From to
Total number of farmers visited :
Total number of agencies involved :
Number of demonstrations visited by the farmers within KVK campus:

Other Details : **Viksit Krishi Sankalp Abhiyana**

Types of Activities	No. of Activities	Number of Farmers	Related crop/livestock technology
Seed treatment, Kisan drone	35	3200	Seed treatment chemicals, drone-based pesticide/nutrient spraying in field crops
Nano fertilizers	40	2150	Nano urea, nano DAP application in major crops
Safe use of pesticides	55	3050	Judicious pesticide use, PPE kits, dosage and waiting period awareness
Use of improved cultivars	43	2480	High yielding and disease resistant varieties in field & horticultural crops
Maintenance of Soil fertility	71	3600	Soil testing, INM, green manuring, micronutrient management
Organic farming	27	1750	Organic inputs, composting, vermicompost, certification awareness
Biopesticides	64	3300	Use of Trichoderma, Pseudomonas, Neem-based products
Fodder crops	21	1250	Improved fodder varieties, fodder preservation techniques
Animal diseases and vaccination	34	1900	Vaccination schedule, deworming, disease management in livestock
Water management	41	2200	Micro-irrigation, scheduling irrigation, rainwater harvesting
Integrated pest and disease management	73	3750	Cultural, biological and chemical control measures
Integrated farming system	58	2950	Crop + Livestock + Horticulture integration models
Natural farming	24	1600	Jeevamrutha, Beejamrutha, mulching, cow-based inputs
Phasal Bhima yojana	51	2300	Crop insurance awareness and enrollment
e NAAM, e-market	18	770	Online agricultural marketing platforms
Total	**655**	**36250**	

10 E. Recognition and Awards:
National level Best cotton farmer 'T Mahesh'

Awards to Contact Farmers
State level Krishi Pandita Award to 'Suresh Gouda H Timmapur village Raichur district
Krishi Ratna' Sri. Shivakumar patil, Gudihal by UAS Raichur
'Bootapaswi' Jayalakshmi Patil Bommanal by News 1 channel
Awards to Scientists
Patent award for fruits and vegetable grading equipment to Er. Veena
Best oral presentation award at International Conference at Vietnam to Dr. Shreevani GN
Dr. Timmanna received Best oral presentation award in NADCL SIAVAS National Conference
State level 'Krishi Sadhaka Award' for Dr. Timmanna and Dr. Mallareddy received ' by Sri Kalmath Garige Jatra Mahotsava Manvi

PART XI – SOIL AND WATER TEST

11.1 Soil and Water Testing Laboratory

A. Status of establishment of Lab : Good and run smoothly

1. Year of establishment :2005
2. List of equipments purchased with amount : 2005-06

Sl. No	Name of the Equipment	Qty.	Cost	Status
1	Analytical balance	2	212400	Working
2	Digital Balance	1	115640	Working
3	pH meter	2	25370	Working
4	Conductivity bridge	1	34810	Working
5	UV visible spectro photometer for analysis of sulphur & phosphorous	1	660800	Working
6	Shaking machine	2	354000	Working
7	Water bath Shaker	1	64900	Working
8	Centrifuge apparatus	1	10620	Working
9	Voltage stabilizers (Constant voltage transformers)	10	50000	Working
10	Pressure Vacuum Pump	2	82600	Working
11	Automatic pipetting machine	1	94400	Working
12	Double distillation unit with softener/ Demineralizer plant	2	313880	Working
13	Oven	1	70800	Working
14	Trolleys	4	50000	Working
15	Flask stand	75	83190	Working
16	Funnel Stand	75	92040	Working
17	Beaker Stand	75	53689.5	Working
18	Burette Stand	10	8850	Working
19	Test Tube Stand	75	88249.5	Working
20	Muffle Furnace	1	96760	Working
21	Fume Hood	1	150000	Working
22	Scoops	2 sets	2360	Working
23	Mortar and pestle	2	23600	Working
24	Sieves	8	38940	Working
25	Trays	100	59000	Working
26	Hot plate	1	37760	Working
27	N analyzer for soil, water and plant analysis including distillation unit	1	590000	Working
28	Flame photometer for analysis of sodium, lithium and potash	1	188800	Working
29	Hot air oven	1	70800	Working
30	Multi channel Magnetic stirrer	1	64900	Working
31	Refrigerator 265 Ltr	1	32000	Working
32	Dry plant Sample Grinder	1	88500	Working
Sl. No	**Name of the Equipment**	**Qty.**	**Cost**	**Status**
33	Bunsen Burner	2	12243	Working
34	Desktop computer, laser printer 1 KVA battery	1	56640	Working
35	1.5 ton Air Conditioner	1	34220	Working
36	UPS 10 KVA	1	369930	Working
37	40 KVA Generator	1	642000	Working
38	Fire extinguisher	3	29499.9	Working
39	RO Purifier Type – II	1	550000	Working
40	Chemicals	-	736320	Working
41	Glass wares	-	650000	Working
42	Plastic wares & Lab consumables	-	530000	Working
43	AAS	1	2485000	Working
44	LPG Gas connection	1	3758	Working
45	Mridaparikshak	2	172000	Working
	Total		**1,01,81,270**	

B. Details of samples analyzed since establishment of SWTL:

Details	No. of Samples analyzed	No. of Farmers benefited	No. of Villages	Amount realized (Rs.)
Soil Samples	50	352		
Water Samples		15		
Plant samples				
Manure samples				
Others (specify)				
Total				

C. Details of samples analyzed:

Details	No. of Samples analyzed	No. of Farmers benefited	No. of Villages	Amount realized (Rs.)
Soil Samples				
Water Samples				
Plant samples				
Manure samples				
Others (specify)				
Total				

11.2 Mobile Soil Testing Kit

A. Date of purchase and current status

Mobile Kits	Date of purchase	Current status
1.		
2.		

B. Details of soil samples analyzed and since establishment with Mobile Soil Testing Kit:

	During 2024	During 2025	Cumulative progress (Total)
Samples analyzed (No.)			
Farmers benefited (No.)			
Villages covered (No.)			

11.3 Details of soil health cards issued based on SWTL & Mobile Soil Testing Kit:

Particulars	Date (s)	Villages (No.)	Farmers (No.)	Samples analyzed (No.)	Soil health cards issued (No.)
SWTL					
Mobile Soil Testing Kit					

11.4 World Soil Health Day celebration

Sl. No.	Farmers participated (No.)	Soil health cards issued (No.)	VIPs (MP/ Minister/MLA attended (No.)	Other Public Representatives participated	Officials participated (No.)	Media coverage (No.)
01	500	50			10	05

PART XII. IMPACT

12.A. Impact of KVK activities (Not restricted for reporting period).

Name of specific technology/skill transferred	No. of participants	% of adoption	Change in income (Rs.)	
			Before (Rs./Unit)	After (Rs./Unit)

NB: Should be based on actual study, questionnaire/group discussion etc. with ex-participants.

12.B. Cases of large scale adoption (Please furnish detailed information for each case with suitable photographs)

Specialized Pheromone Lure Application Technology: An Eco-Friendly and Cost-Effective Tool for the Management of Pink Bollworm on Bt. Cotton

Background

Bt cotton is cultivated across 11 states in India, covering nearly 12–13 million ha. Despite its wide adoption, the crop continues to suffer from various biotic and abiotic stresses. Among the biotic factors, pink bollworm has emerged as the most devastating pest over the past 6–7 years, causing severe damage and substantial yield losses across all major cotton-growing agro-climatic zones of the country.

Pink bollworm (*Pectinophora gossypiella* Saunders) has become increasingly problematic due to its concealed feeding habit. The larvae reside inside the cotton bolls, making them largely inaccessible to insecticidal sprays. As a result, conventional chemical control measures often fail to provide effective management. Continuous reliance on insecticides has further aggravated issues such as pest resistance, resurgence, and undesirable pesticide residues in the environment. Excessive chemical use also disrupts the natural balance by harming beneficial predators and parasitoids present in the cotton ecosystem.

Given these challenges, real-time and integrated management strategies are essential for sustainable pink bollworm control. Among the available approaches, Specialized Pheromone Lure Application Technology (SPLAT) has gained prominence as an eco-friendly and highly effective tool within the Integrated Pest Management (IPM) framework. ICAR–Krishi Vigyan Kendra, Raichur has demonstrated this innovative technology in farmers' fields, showcasing its potential to reduce pest incidence while promoting environmentally sound cotton cultivation.

Specialized Pheromone and Lure Application Technology (SPLAT)

Specialized Pheromone Lure Application Technology (SPLAT) is an advanced, eco-friendly pest management innovation designed to deliver semiochemicals—primarily pheromones—in a controlled and sustained manner. It is a **biodegradable, wax-based matrix** that releases active compounds gradually over an extended period, thereby ensuring consistent field efficacy with minimal labour and maintenance.

SPLAT is formulated as a soft, pliable, and water-resistant paste that can be applied directly onto plant stems, branches, stakes, or other field structures using simple tools. Once applied, the matrix slowly emits pheromones or a combination of pheromones and insecticides, depending on the intended pest management strategy.

The unique advantages and operational features of SPLAT include:

- **Controlled and sustained release:** The matrix protects pheromones from environmental degradation caused by sunlight, wind, rain, and temperature fluctuations. This enables steady release of active compounds for several weeks to months.
- **Biodegradability:** The formulation decomposes naturally in the field, leaving no harmful residues and ensuring environmental safety.
- **Versatility in pest management:** SPLAT can be customized to support various pest control strategies such as:
    - **Mating disruption:** Confuses male insects and prevents them from locating females, leading to reduced mating and population decline.
    - **Mass trapping:** Lures and traps large numbers of pests when paired with a trapping mechanism.
    - **Attract-and-kill:** Combines pheromones with toxicants to selectively eliminate target pests.
    - **Repellency:** Releases compounds that deter pests from entering treated areas.

Low labour and maintenance requirement: Unlike traditional pheromone traps that require frequent replacement of lures and trap monitoring, SPLAT applications are long-lasting and significantly reduce field operations.

Cost-effectiveness: The extended field life, reduced labour demand, and targeted pest suppression make SPLAT an economically viable component of Integrated Pest Management (IPM).

Overall, SPLAT offers a scientifically robust, environmentally sustainable, and farmer-friendly solution for managing pink bollworm in cotton and can be effectively integrated with other IPM practices for improved crop protection and productivity.

Application Procedure of SPLAT in Cotton

In the case of cotton, SPLAT offers a particularly effective solution against the pink bollworm (*Pectinophora gossypiella*), a major pest responsible for heavy yield losses. By disrupting the pest's mating cycle and reducing population buildup, SPLAT contributes to healthier crops, lower pesticide use, and improved sustainability in cotton production systems.

1. **Determine the Area and Quantity Required**
    - Use **one SPLAT tube (125 g)** for **one acre** of cotton (approximately 400 plants).
    - A total of **three applications** are required during the crop season—hence **three tubes per acre**.

Timing of Application

Apply SPLAT at the following crop stages:

- **30–35 DAS** (first application)
- **60–65 DAS** (second application)
- **90–95 DAS** (third application)

  These timings coincide with the critical phases of pink bollworm activity and ensure continuous pheromone release.

Preparation for Application

- Carry the SPLAT tube and wear disposable or clean gloves to maintain hygiene.
- Ensure the paste is soft and pliable; if needed, warm the tube slightly in the hands before use.

Application on Plants

- Select **uniform plants across the field** for placement.
- Apply a **pea-sized dollop (0.3–0.5 g)** of SPLAT paste **between two branches** or on the main stem at mid-height.
- Avoid placing the paste directly on young tender leaves; choose firm branching points.

Distribution Across the Field

- Apply SPLAT on **400 plants per acre** to maintain even pheromone distribution.
- Ensure treated plants are **well-distributed** across the entire field rather than concentrated in one area.

Placement Guidelines

- Place the paste on the **shaded side** of branches to reduce exposure to direct sunlight and prolong pheromone release.
- Ensure the paste adheres well and remains protected from rainwater runoff.

Post-Application Care

- No traps or additional equipment are required.
- Avoid touching or disturbing the paste after application.
- Monitor crop regularly for bollworm symptoms and integrate SPLAT with other IPM practices as recommended.

Its biodegradable formulation minimizes environmental impact, making it a sustainable alternative to conventional chemical pesticides and a strong component of Integrated Pest Management (IPM) programs.

Intervention of ICAR–Krishi Vigyan Kendra, Raichur to Address the Problem

To address the increasing incidence of pink bollworm in cotton, ICAR–Krishi Vigyan Kendra (KVK), Raichur initiated a series of strategic interventions based on preliminary Participatory Rural Appraisals (PRAs) conducted across different taluks of the district. The KVK implemented early-season capacity-building programmes to equip farmers with essential knowledge on plant protection technologies. Awareness initiatives were carried out through training sessions, field demonstrations, group meetings, exhibitions, and campaigns focusing on integrated pest management practices.

Farmers, extension personnel, and input dealers were trained in pest monitoring using pheromone traps, identification of natural enemies, use of bio-control agents, and safe handling of insecticides. Regular field monitoring was conducted at weekly intervals to assess the population of sucking pests, natural predators, and boll damage. KVK scientists actively participated in field visits for early scouting and monitoring, enabling timely advisory support.

Frontline demonstrations on integrated management of pink bollworm using SPLAT were taken up to showcase the effectiveness of the technology under real field conditions. Critical inputs were supplied, and farmers received guidance on recommended plant protection measures. The KVK also organized sensitization workshops for ginning mill owners, input dealers, and state extension staff. Additional awareness activities such as farmers' melas, outreach programmes, and expert interactions addressed issues related to pink bollworm and emerging pests and diseases of cotton. During these events, experts from KVK and research institutes provided detailed guidance on SPLAT-based integrated pest management strategies.

Input and Advisory Support Provided by ICAR–KVK, Raichur

As part of the frontline demonstrations conducted over three consecutive years, ICAR–KVK, Raichur supplied farmers with critical inputs, including:

- **SPLAT tubes** for pink bollworm management
- **Sticky traps** for monitoring and managing sucking pests

Before distributing these inputs, farmers were thoroughly trained on the SPLAT-based IPM approach through structured training programmes, demonstrations, and awareness campaigns.

The SPLAT-IPM package taught to farmers included:

- Adoption of **proper sowing time** to avoid peak pest periods
- **Sanitation measures** to reduce carry-over of PBW from previous seasons
- Importance of **refugia (non-Bt cotton)** for resistance management
- **Installation of pheromone traps** for monitoring and mass trapping at **12 traps per acre**
- Use of **ovicides** and **judicious, timely insecticide applications** based on ETL and monitoring
- Field-level use and **correct application of SPLAT** for mating disruption

To ensure continuous guidance, KVK Raichur provided regular advisories through text messages, WhatsApp groups, television programmes, and radio broadcasts. These advisories helped farmers adopt timely and effective measures for managing pink bollworm and other emerging pests.









Performance: Output in Terms of Targets and Productivity

Raichur is predominantly a cotton-growing district, with nearly 80% of farmers cultivating cotton during the Kharif season. All taluks of the district contribute significantly to cotton production, with Devadurga having the largest area under cotton (56,698 ha), followed by Raichur (51,870 ha), Manvi (21,248 ha), and Maski (7,271 ha). Across these regions, pink bollworm (PBW) has been the most serious constraint over the past 5–6 years, severely affecting yield and profitability.

To address this challenge, ICAR–KVK Raichur conducted three consecutive years of frontline demonstrations on SPLAT-integrated management of pink bollworm in Bt cotton. Continuous awareness campaigns, field trainings, and demonstrations across multiple taluks enabled rapid dissemination and widespread adoption of the technology among cotton growers.

The community-based SPLAT-IPM approach resulted in remarkable improvements in crop performance and farmer income. Farmers who participated in KVK-led training programs successfully adopted pheromone traps for pest monitoring, understood PBW damage symptoms, and learned to use Economic Threshold Levels (ETL) for making timely decisions regarding SPLAT application and insecticide use for sucking pests. Prior to adopting SPLAT-IPM, farmers earned an average annual income of ₹. 1,70,200 from Bt cotton but often suffered losses due to severe PBW infestations.

With KVK interventions—including supply of SPLAT tubes, bio-control agents, improved insecticides for sucking pest management, and guidance on improved agronomic practices—farmers' average annual income increased to ₹. 2,25,000. The SPLAT-IPM technology led to:

- **12.39% reduction** in pink bollworm incidence
- **16.95% increase** in yield
- **Higher benefit–cost ratio** (5.48 in demonstration plots compared to 3.51 in farmers' practice)
- **Reduced cost of cultivation** through lower pesticide usage and more efficient pest management

Overall, the SPLAT-based IPM strategy significantly improved productivity, profitability, and sustainability of cotton cultivation in Raichur district.

Impact of the intervention

The successful adoption of any technology depends on its ease of use, practicality, and visible benefits to farmers. The SPLAT-IPM technology met all these criteria, leading to wide acceptance across cotton-growing areas of Raichur. Its simple application method, reduced labour requirement, and proven effectiveness against pink bollworm encouraged farmers to readily integrate it into their cropping systems.

Community-based sowing played a major role in reducing pink bollworm infestation, as synchronized planting helped break the pest's life cycle. Additional practices promoted under the intervention—such as shredding and incorporating cotton stalks into the soil—helped destroy overwintering pupae while simultaneously enriching the soil with organic matter.

Adoption of SPLAT-IPM enabled farmers to achieve an additional yield of 1–1.5 quintals per acre, contributing significantly to improved productivity and income. The technology also helped lower the cost of cultivation by reducing unnecessary pesticide sprays and improving pest monitoring and decision-making capacity among farmers.

Beyond economic gains, the intervention generated notable environmental benefits. Reduced insecticide use provided safer conditions for natural enemies, predators, and parasitoids, thereby strengthening ecological balance in cotton fields. Demonstrated farms reported healthier agro-ecosystems and reduced pesticide residue risks, reinforcing the sustainability of cotton production in the district.

Conclusion

The promoted technology offers farmers a simple, practical, and highly effective solution for improving crop performance. With easy application steps, low cost, and quick visible benefits in crop health and yield, the practice has gained strong acceptance among farmers. Its farmer-friendly nature and proven field performance make it a reliable option for wider adoption, helping farmers reduce losses, enhance productivity, and achieve better income. Overall, the technology stands out as a sustainable and scalable approach that can significantly strengthen farm profitability.

12.C. Details of impact analysis of KVK activities carried out during the reporting period

PART XIII – LINKAGES

13A. Details of linkage with ATMA

Coordination activities between KVK and ATMA

S. No.	Programme	Particulars	No. of programs attended by KVK staff	No. of programs Organized by KVK	Other remarks (if any)
01	Meetings				
02	Research projects				
03	Training programmes				
04	Demonstrations				
05	Kisan Mela				
06	Technology Week				
07	Exposure visit				
08	Exhibition				
09	Soil health camps				
10	Animal Health Campaigns				
11	Video Films				
12	Books				
13	Extension Literature				
14	Pamphlets				
15	Other Activities (Pl.specify)				

13B. List of special programmes undertaken by the KVK which have been financed by State Government/University/National Horticultural Mission/ RKVY/ National Fisheries Development Board/Other Agencies

S. No.	Name of organization	Name of Program	Nature of linkage	Funds received in Rs.	Expenditure during the reporting period in Rs.	Remarks

13C. Kisan Mobile Advisory Services

Month	No of Advisories	No. of Text messages sent	No. of voice messages sent	SMS/voice calls sent (No.)						Total SMS/Voice calls sent (No.)	Farmers benefitted (No.)
				Crop	Livestock	Weather	Marketing	Awareness	Other enterprises		
January	6	6	0	3	2	1	0	0	0	6	18566
February	3	3	0	2	1	0	0	0	0	3	18566
March	6	6	0	4	0	1	0	1	0	6	18566
April	5	5	0	3	1	0	0	1	0	5	18566
May	7	7	0	4	1	1	0	0	1	7	18566
June	4	4	0	4	0	0	0	0	0	4	18566
July	5	5	0	3	1	0	0	1	0	5	18566
August	7	7	0	4	1	1	0	0	1	7	22572
September	6	6	0	4	0	1	0	1	0	6	22572
October	7	7	0	4	1	1	1	0	0	7	22572
November	5	5	0	4	1	0	0	0	0	5	22572
December	5	5	0	3	1	1	0	0	0	5	22572
Total	**66**	**66**	**0**	**43**	**7**	**6**	**1**	**4**	**2**	**66**	**242822**

PART XIV- PERFORMANCE OF INFRASTRUCTURE IN KVK

14A. Performance of demonstration units (other than instructional farm)

Sl. No.	Demo Unit	Year of establishment	Area (ha)	Details of production			Amount (Rs.)		Remarks
				Variety	Produce	Qty.	Cost of inputs	Gross income	
1.	Vermicompost	2014				5 ton			
2.	Horticulture nursery	2014				--			
3.	Azolla	2017				100 kg			

14B. Performance of instructional farm (Crops) including seed production

Name of the crop	Date of sowing	Date of harvest	Area (ha)	Details of production			Amount (Rs.)		Remarks
				Variety	Type of Produce	Qty.	Cost of inputs	Gross income	
Cereals									
Pulses			4	TS-3R				40000	
Pigeon pea			17	JG-11				130000	
Chickpea				ISF-764					
Oilseeds									Crop yet harvest stage
Safflower									
Fibers									
Spices & Plantation crops									
Floriculture									
Fruits									
Vegetables									

14C. Performance of production Units (bio-agents / bio pesticides/ bio fertilizers etc.,) NIL

Sl. No.	Name of the Product	Qty	Amount (Rs.)		Remarks
			Cost of inputs	Gross income	

14D. Performance of instructional farm (livestock and fisheries production) NIL

Sl. No	Name of the animal / bird / aquatics	Details of production			Amount (Rs.)		Remarks
		Breed	Type of Produce	Qty.	Cost of inputs	Gross income	

14E.Utilization of hostel facilities

Accommodation available (No. of beds)

Months	No. of trainees stayed	Trainee days (days stayed)	Reason for short fall (if any)
January			
February			
March			
April			
May		6 days Krishi Sakhi Training	
June	150		

July	150		
August	150		
September	150		
October	120	3 days Solid waste management training	
November	120		
December	120		

14F. Database management

S.No	Database target	Database created
1.	Talukwise District database	Already maintained
2.	Farmers Database	Already maintained
3.	Crop wise, Village wise, Talukwise farmers database	Already maintained
4.	KVK instructional farm database	Already maintained
5.	OLRS	Already maintained
6.	KVK portal – MPR and AE MPR	Already maintained
7.	OFT	Already maintained
8.	FLD	Already maintained
9.	Training database	Already maintained
10.	Seeds & planting material	Already maintained
11.	All Extension activities	Already maintained
12.	Farmers visiting to KVK	Already maintained
13.	Field visits	Already maintained
14.	District database	Already maintained
15.	Soil & water test details	Already maintained
16.	Database on KVK (i.e regarding KVK details, host institute details, staff information, KVK land information, KVK infrastructure, demo units, vehicle, office, lab, farm equipment & library)	Already maintained
17.	HRD of KVK staff (i.e training/seminar/workshop attended by KVK staff)	Already maintained
18.	Publications of KVK activities in news papers	Already maintained
19.	Villages covered by KVK since inception	Already maintained
20.	Kisan mobile advisory services – Subscribers and messages sent	Already maintained
21.	Farm implements	Already maintained

14G. Details on Rain Water Harvesting Structure and micro-irrigation system

(a) Rain Water Harvesting Structure NIL

Amount sanction (Rs.)	Expenditure (Rs.)	Details of infrastructure created / micro irrigation system etc.	Activities conducted					Quantity of water harvested in '000 litres	Area irrigated / utilization pattern
			No. of Training programmes	No. of Demonstrations	No. of plant materials produced	Visit by farmers (No.)	Visit by officials (No.)		

(b) Micro-irrigation systems NIL

Amount sanction (Rs.)	Expenditure (Rs.)	Details of infrastructure created / micro irrigation system etc.	Activities conducted					Quantity of water harvested in '000 litres	Area irrigated / utilization pattern
			No. of Training programmes	No. of Demonstrations	No. of plant materials produced	Visit by farmers (No.)	Visit by officials (No.)		

PART XV – SPECIAL PROGRAMMES

15.1 Paramparagath Krishi Vikas Yojana (PKVY): NIL

Sl No.	Name of cluster	Initial soil fertility status (Average of cluster village)				Facilities created for	Name of Crops cultivated	Variety	Organic inputs applied	Yield (q/ha)	Economics	
		Aval.	Aval.	Aval.	OC						Cost of	Net

	village	N	P	K	%	organic source of manure			including bio-agents and botanicals treatment		cultivation (Rs/ha)	returns (Rs/ha)
1	1.	--	--	--	--	--	--	--	--	--	--	--
	2.	--	--	--	--	--	--	--	--	--	--	--
2	1.	--	--	--	--	--	--	--	--	--	--	--
	2.	--	--	--	--	--	--	--	--	--	--	--
		--	--	--	--	--	--	--	--	--	--	--

15.2 District Agriculture Meteorological Unit (DAMU)

	Agro advisories			Farmers awareness programmes	
Sl No.	**No of Agro advisories generated**	**No of farmers registered for agro advisories**	**No of farmers benefitted**	**No of programmes**	**No of farmers benefitted**
1	50	35000	35000		
2					

15.2 Fertilizer awareness programme organized

State	Name of KVK	Details of Activities/programme Organised	Number of Chief Guests	No. of Farmers attended program	Total participants
Karnataka	ICAR-Krishi Vigyan Kendra, Raichur	Fertilizer use Awareness training programs In collaboration IFFCO COROMANDAL KRIBCO SPIC FACT	50	850	1000

15.4 Seed Hub: NIL

Crop	Variety	Year of release	Production				No of farmers benefited/Sold to no. of farmers	Quantity seed sold (q)	Seed sold @ (Rs)/kg
			Target (q)	Area (ha.)	Actual Production (q)	Category (FS/CS)			
--	--	--	--	--	--	--	--	--	--

15.5 CFLD on Oilseeds: (Completed CFLDs should provide data for all items of the table and also remaining whichever is available)

Season	Crop	Variety		Conducted		Demo Yield(Q/ha)			Check Yield (Q/ha)	Economics					
										Demo			Check		
		Demo	Check	Demos(No)	Area (ha)	Max	Min	Avg		Gross income	Net income	BCR	Gross income	Net income	BCR
Rabi	Sunflower	RSFH-700	Tejas	25	10	Crop at harvesting Stage									
Rabi	Mustard	BPM-11	Local	25	10	Crop at harvesting Stage									

15.6 CFLDs on Pulses: (Completed CFLDs should provide data for all items of the table and also remaining whichever is available)

Season	Crop	Variety		Conducted		Demo Yield(Q/ha)			Check Yield (Q/ha)	Economics					
										Demo			Check		
		Demo	Check	Demos(No)	Area (ha)	Max	Min	Avg		Gross income	Net income	BCR	Gross income	Net income	BCR

Kharif	Pigeonpea	GRG 811	local	250	100	16.35	9.96	13.15	9.73	111818	79588	3.47	82663	47096	2.32

15.7 Krishi Kalyan Abhiyan (Aspirational districts) NIL

Type of Activity	Date(s) conducted	No. of farmers (General)			No. of farmers SC / ST			No.of extension personnel		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
--	--	--	--	--	--	--	--	--	--	--

15.8 Micro-Irrigation NIL

Type of Activity	Date(s) conducted	No. of farmers (General)			No. of farmers SC / ST			No. of extension personnel		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
--	--	--	--	--	--	--	--	--	--	--

15.9 Progress report of TSP (DAPST)

Sl No	Item/Activity		Units	Achievements (Activities/ Quantity)	ST Beneficiaries (No.)		
					Male	Female	Total
1	Training programmes						
	1.1	1-3 days	No	3	35	15	50
	1.2	4-10 days	No				
	1.3	2-4 weeks	No				
	1.4	More than 4 weeks	No				
	1.5	Exclusively for women	No				
	1.6	Exclusively for Rural Youth	No	2	25	10	35
	1.7	Exclusively for extension personal	No				
2	OFTs		No				
3	FLDs		No.	4	30	10	40
4	Extension activities		No.				
	4.1	Awareness camps	No.	4	50	15	65
	4.2	Exposure visits/study tours		1	30	10	40
	4.3	Exhibitions		1	25	5	30
	4.4	Seminars					
	4.5	Workshops					
	4.6	Group meetings		2	30	8	38
	4.7	Others specify					
5	Input supply						
	5.1	Seeds (Field crops)	Quintal				
	5.2	Seeds (High value crops, spices etc.)	Kg				
	5.3	Seeds (Root & Tuber crops)	Quintal				
	5.4	Nursery plants	No.				
	5.5	Cuttings, Slips, suckers etc.	No.				
	5.6	Mushroom spawns Packets (100 gm)	No.				
	5.7	Bio-fertilizers Packets (one kg)	No.	40	30	10	40
	5.8	Honeybee Colonies	No.				
	5.9	Animals -large					
		Cattle	No.				
		Buffaloes	No.				
		Calves	No.				
	5.10	Animals-Small	No				
		Pig	No				
		Sheep					

		Goat	No				
	5.11	Poultry					
		Ducklings	No				
		Poultry Chicks	No				
		Fish fingerlings					
	5.12	Equipment					
		Small equipment's (up to Rs 2000)	No.	5 (Nipping machine)			Need to distribute
		Medium equipment's/machinery (Rs 25000)	No.	10 (Sprayers)	6	4	10
		Large equipment's /machinery (> Rs.25000)					
	5.13	Infrastructure	No				
		Civil work/ ponds etc.	No				
		Setting up Plant Nursery/seed farm/hatchery	No				
		Land development/Reclamation/Conservation	Hectare				
	5.14	Fertilizers	Quintal				
		Major nutrients NPK					
		Secondary nutrients	Quintal				
		Micronutrients	Quintal				
		FYM	Quintal				
		Vermicompost	Quintal	10	5	5	10
		Soil amendments (Gypsum, lime etc.)	Quintal				
	5.15	Plant protection					
		Plant protection chemicals	Kg	50	40	10	50
		Plant growth promoters	Kg				
	5.16	Animal Feed mixture	Quintal				
	5.17	Animal fodder	Quintal				
	5.18	Animal medicines provided to animals	No.				
	5.19	Any other (specify)	No				
6	Services/Facilitation						
	6.1	Animal/plant Health Camps	No				
	6.2	Artificial insemination	No				
	6.3	Vaccination	No				
	6.4	Veterinary services (Hospitalization, on-site treatment etc.)	No				
	6.5	Testing samples of Soil, plant, water, feed fodder and livestock	No				
	6.6	Promotion of agri-entrepreneurship	No	1	20	10	30
	6.7	Promotion of IFS, IOFS,	No				
	6.8	Establishment of Natural Farming, Nutri-garden, kitchen garden, orchards etc.	No	2	30	15	45
	6.9	Creation of market links of farm produces	no				
	6.10	Use of Institute facilities[Processing etc.}	Hours				
	6.11	Subsidies/Assistance (50% of project cost, Max. Rs 100O beneficiary}	No				
7	Publication/distribution of Literature		No				
8	Employment generation for livelihood Man-months		No.				
9	Fellowship, Stipends or, Scholarship		No				
10	Area oriented & Activity (Project		Projects				

	addressing the problems of agri .Sector faced by the SC/STs and benefit directly, which is measurable and Identifiable)		(No)				
11	Monitoring & Evaluation of DAPSC/ST(up to 3% budget)						
	11.1	Field visits	No.	20	80	20	100
	11.2	Field days	No.	5	25	10	35
12	Any others						
	12.1	Wild elephant repellent	No.				
	12.2	Khethi Rakshak 18-monkey repellent	No.				
	12.3	Goat mineral mixture	No.				
	12.4	Supplement-salt lich	No.				
	12.4	Success stories (one or two write-ups may be given below with photos)	No.				

Success stories write-up:

15.10 Progress report of SCSP (DAPSC)

Sl No	**Item/Activity**		**Units**	**Achievements (Activities/ Quantity)**	**SC Beneficiaries (No.)**		
					Male	**Female**	**Total**
1	Training programs (Both men & Women)		No				
	1.1	1-3 days	No				
	1.2	4-10 days	No				
	1.3	2-4 weeks	No				
	1.4	More than 4 weeks	No				
	1.5	Exclusively for women	No				
	1.6	Exclusively for Rural Youth	No				
	1.7	Exclusively for extension personal	No				
2	OFTs		No				
3	FLDs		No.				
4	Extension activities		No.				
	4.1	Awareness camps	No.				
	4.2	Exposure visits/study tours					
	4.3	Exhibitions					
	4.4	Seminars					
	4.5	Workshops					
	4.6	Group meetings					
	4.7	Others specify					
5	Input supply						
	5.1	Seeds (Field crops)	Quintal				
	5.2	Seeds (High value crops, spices etc.)	Kg				
	5.3	Seeds (Root & Tuber crops)	Quintal				
	5.4	Nursery plants	No.				
	5.5	Cuttings, Slips, suckers etc.	No.				
	5.6	Mushroom spawns Packets (100 gm)	No.				
	5.7	Bio-fertilizers Packets (one kg)	No.				
	5.8	Honeybee Colonies	No.				
	5.9	Animals -large					
		Cattle	No.				
		Buffaloes	No.				
		Calves	No.				
	5.10	Animals-Small	No				
		Pig	No				
		Sheep					
		Goat	No				

	5.11	Poultry					
		Ducklings	No				
		Poultry Chicks	No				
		Fish fingerlings					
	5.12	Equipment					
		Small equipment's (up to Rs 2000)	No.				
		Medium equipment's/machinery (Rs 25000)	No.				
		Large equipment's /machinery (> Rs.25000)					
	5.13	Infrastructure	No				
		Civil work/ ponds etc.	No				
		Setting up Plant Nursery/seed farm/hatchery	No				
		Land development/Reclamation/Conservation	Hectare				
	5.14	Fertilizers	Quintal				
		Major nutrients NPK					
		Secondary nutrients	Quintal				
		Micronutrients	Quintal				
		FYM	Quintal				
		Vermicompost	Quintal				
		Soil amendments (Gypsum, lime etc.)	Quintal				
	5.15	Plant protection					
		Plant protection chemicals	Kg				
		Plant growth promoters	Kg				
	5.16	Animal Feed mixture	Quintal				
	5.17	Animal fodder	Quintal				
	5.18	Animal medicines provided to animals	No.				
	5.19	Any other (specify)	No				
6	Services/Facilitation						
	6.1	Animal/plant Health Camps	No				
	6.2	Artificial insemination	No				
	6.3	Vaccination	No				
	6.4	Veterinary services (Hospitalization, on-site treatment etc.)	No				
	6.5	Testing samples of Soil, plant, water, feed fodder and livestock	No				
	6.6	Promotion of agri-entrepreneurship	No				
	6.7	Promotion of IFS, IOFS,	No				
	6.8	Establishment of Natural Farming, Nutri-garden, kitchen garden, orchards etc.	No				
	6.9	Creation of market links of farm produces	no				
	6.10	Use of Institute facilities[Processing etc.}	Hours				
	6.11	Subsidies/Assistance (50% of project cost, Max. Rs 100O beneficiary}	No				
7	Publication/distribution of Literature		No				
8	Employment generation for livelihood Man-months		No.				
9	Fellowship, Stipends or, Scholarship		No				
10	Area oriented & Activity (Project addressing the problems of agri .Sector faced by the SC/STs a ndbenefit directly, which is measurable and Identifiable)		Projects (No)				
11	Monitoring & Evaluation of DAPSC/ST(up to 3% budget)						
	11.1	Field visits	No.				
	11.2	Field days	No.				
12	Any others						
	12.1	Wild elephant repellent	No.				
	12.2	Khethi Rakshak 18-monkey repellent	No.				
	12.3	Goat mineral mixture	No.				

	12.4	Supplement-salt lich	No.				
	12.4	Success stories (one or two write-ups may be given below with photos)	No.				

Success stories write-up :

15.11 NARI

Activity	Achievement	
	Number of activity	**No. of farmers/ beneficiaries**
OFTs – Nutritional Garden (activity in no. of Unit)		
OFTs – Bio-fortified Crops (activity in no. of Unit)		
OFTs – Value addition (activity in no. of Unit/Enterprise)		
OFTs - Other Enterprises (activity in no. of Unit/Enterprise) (activity in no. of Unit/Enterprise)		
FLDs – Nutritional Garden (activity in no. of Unit)		
FLDs – Bio-fortified Crops (activity in no. of Unit)		
FLDs – Value addition (activity in no. of Unit/Enterprise)		
FLD- Other Enterprises (activity in no. of Unit/Enterprise) (activity in no. of Unit/Enterprise)		
Trainings		
Extension Activities		

15.12 KVK Portal: Nil (Because it seems till date not working)

No. of Events added by KVKs	No. of Facilities added by KVKs	Filled Report on Package of Practices (Y/N)				Filled Profile Report (Y/N)							
		Crop	Livestock	Fisheries	Horticulture	Employees	Posts	Finance	Soil Health Cards	Appliances	Crops	Resources	Fish

15.13 KSHAMTA (Knowledge Systems and Homestead Agriculture Management in Tribal Areas) **NIL**

Sl No	Item/Activity	Achievements (Activities/ Quantity)	Farmers (No.)		
			Male	Female	Total
1	Training programmes				
2	Demonstrations				
3	Extension programmes				
4	Input supply (kg)				
	Any other specify				

15.14 Natural Farming

Sl No	Item/Activity	Units	Achievements (Activities/ Quantity)	Farmers (No.)		
				Male	Female	Total
1	Training programmes	No.				
2	Technology demonstrations/Method demonstrations (specify below name of technology/demonstration)					
		No.				
		No.				
3	Extension programmes/services (specify below name of activity)					
		No.				
		No.				
4	Critical inputs provided (specify below name of input)					
		No.				
		No.				

15.15 Aspirational districts (Raichur, Yadgir and Wayanad)

Sl No	Item/Activity	Achievements (Activities/ Quantity)	Farmers (No.)		
			Male	Female	Total
1	Training programmes conducted for farmers				
2	Training programmes conducted for rural youth				
3	Training programmes conducted for farm women				
4	Sponsored/vocational training programmes conducted				
5	Technology demonstrations on pulse crops				
6	Technology demonstrations on oilseed crops				
7	Technology demonstrations other than pulse and oilseed crops				
8	Extension programmes				
9	EDP programmes conducted				
10	How many EDP units edtablished				
11	Input supply				
	Seeds				
	Planting materials				
	Bioproducts				
	Poultry chicks				
	Ducklings				
	Goat kids				
	Sheep kids				
	Piglings				
	FYM/Vermicompost				
	Others specify				
12	Services provided				
	Soil samples tested				
	Water samples tested				
	Plant samples tested				
	Mobile advisories				
	Vaccinations				
	Artificial Insemination				
	Others specify				

15.16 CFLDs on Oilseed Model Villages (Belagavi-II, Bidal, Bagalkote, Tumakuru-II, Chikkaballapura, Yadgir,) NIL

Season	Crop	Variety		Conducted		Demo Yield(Q/ha)			Check Yield (Q/ha)	Economics					
										Demo			Check		
		Demo	Check	Demos(No)	Area (ha)	Max	Min	Avg		Gross income	Net income	BCR	Gross income	Net income	BCR
--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

15.17 CFLDs on Pulses Model Villages (Belagavi-II, Kalaburagi-II, Mandya, Mysuru, Vijayapura-I) NIL

Season	Crop	Variety		Conducted		Demo Yield(Q/ha)			Check Yield (Q/ha)	Economics					
										Demo			Check		
		Demo	Check	Demos (No)	Area (ha)	Max	Min	Avg		Gross income	Net income	BCR	Gross income	Net income	BCR
--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

15.18 ARYA Project (KVK Uttara Kannada, KVK Shivamogga, KVK Bengaluru Rural, KVK Kannur, KVK Malappuram and KVK Pathanamthitta) NIL

Enterprise Name	No. of entrepreneurial units established	No. of Training programs organised	No. of rural youth trained		Total No. of rural youth trained.	No. of youth established units	
			Male	Female		Male	Female
--	--	--	--	--	--	--	--

15.19. HRD

1	No. of Subject Matter Specialists of KVKs attended any training programme	02
2	No. of other staff of KVKs attended any training programme	00
3	No. of staff of KVKs participated in any workshops/seminars/conferences/symposia	05

15.20 Details of Drone technology demonstration

Crop Name	No. of Demos On Insecticide Spray	Area covered under insecticide demos (area in ha)	No. of demos on weedicide spray	Area covered under weedicide demos (area in ha)	No. of demos on nutrient spray	Area covered under nutrient demos (area in ha)	No. of Demos On Nutrient spray	Area covered under nutrient demos (area in ha)

15.21 FPO

(A) Technological backstopping to FPOs other than formed as CBBOs

Total no. of FPOs in the district	Tech. backstopping provided to no. of FPOs	No. of training prog organized for FPOs	No. of FPO members trained	Major areas of training	Assistance to no. of FPOs in economic activities

(B) Formation and Promotion of FPOs as CBBOs

No. of blocks allocated	No. of FPOs registered	Average no of members per FPO	No. of FPO received Management cost	No. of FPO received Equity Grant	No. Of FPOs doing business

PART XVI - FARMERS FEEDBACK ON ASSESSED/DEMONSTRATED TECHNOLOGIES OF CROPS / LIVESTOCK

16.1 Farmers feedback on performance of crop varieties/hybrids

Sl. No.	Crop varieties/hybrids assessed/ demonstrated	Farmer's feedback
1	RSFH-700 Sunflower hybrid	Its performing good with disease resistance

16.2 Farmers feedback on performance of agronomic practices

Sl. No.	Agronomic practices	Farmer's feedback
1	Ridges and furrow method of pigeon pea	Reduced wilt incidence

16.3 Farmers feedback on performance of pest and disease management in crops

Sl. No.	Pest and disease management in crops	Farmer's feedback
1		

16.4 Farmers feedback on performance of farm machinery technologies

Sl. No.	Farm machinery technologies	Farmer's feedback
1	Multicrop mulcher and cotton shredder	Easy for crop residue mulching with less cost

16.5 Farmers feedback on performance of livestock and fisheries technologies

Sl. No.	Livestock/fisheries technologies	Farmer's feedback
1		

PART XVII - FINANCIAL PERFORMANCE

17A. Details of KVK Bank accounts

Bank account	Name of the bank	Location	Branch code	Account Name	Account Number	MICR Number	IFSC Number
With Host Institute	ICAR-KVK, Raichur	UAS, Campus, Raichur		Senior Scientist and Head, KVK, Raichur			SBIN0010870
With KVK	ICAR-KVK, Raichur	UAS, Campus, Raichur		Senior Scientist and Head, KVK, Raichur			SBIN0010870

17B. Utilization of KVK funds during the year 2024-25 (Rs. in lakh)

S. No.	Particulars	Sanctioned	Released	Expenditure
A. Recurring Contingencies				
1	**Pay & Allowances**	17272000	17272000	17272000
2	**Traveling allowances**	57946	57946	57946
3	**Contingencies**			
A	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines)	312799	312799	312626
B	POL, repair of vehicles, tractor and equipment	132328	132328	132328
C	Meals/refreshment for trainees (ceiling upto Rs.40/day/trainee be maintained)	99630	99630	99630
D	Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training)	30000	30000	30000
E	Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year)	395260	395260	395260
F	On farm testing (on need based, location specific and newly generated information in the major production systems of the area)	3250	3250	3250
G	Training of extension functionaries	-	-	-
H	Maintenance of buildings	28444	28444	28444
I	Establishment of Soil, Plant & Water Testing Laboratory	-	-	-
J	Maintenance of Farm	72750	72750	72750
K	Library	5993	5993	5993
l	EDP (2 Nos.) Innovative Activities	49100	49100	49100
4	SCSP Programme	957000	957000	957000
5	TSP Programme	400000	400000	400000
TOTAL (A)		**19816500**	**19816327**	**19816327**
B. Non-Recurring Contingencies				
1	**Works**	257000	257000	256958
2	**Equipment including SWTL & Furniture**	300000	300000	299990
3	**Vehicle** (Four wheeler/Two wheeler, please specify)	-	-	-
4	**Library** (Purchase of assets like books & journals)	-	-	-
5	**SCSP Capital**	244000	244000	244000
6	**TSP Capital**	50000	50000	50000
TOTAL (B)		**851000**	**851000**	**850948**
GRAND TOTAL (A+B)		**20667500**	**20667500**	**20667275**

17C. Status of revolving fund (Rs. in lakh) for the last three years

Year	Opening balance as on 1st January	Income during the year	Expenditure during the year	Net balance in hand as on 31st December of each year
January to December 2023	27,85,596=50	12,58,955=00	16,66,411=00	(-) 4,07,456=00
January to December 2024	25,71,778=50	15,91,820=00	13,65,046=00	2,26,774=00
January to December 2025	26,67,034=00	8,27,039=00	3,84,225=00	4,42,813=00